

**Safety Data Sheet**  
acc. to *SOR/2015-17* and *OSHA 29 CFR Parts 1910, 1915, 1926*

**1 Identification**

- **Product identifier**
  - Trade name: **BLUE STUFF GLASS AND SURFACE CLEANER**
  - **Article number:** 2065278002
  - **Recommended use** Glass and surface cleaner
  - **Restrictions on use**  
All other uses than those indicated on the product label and technical data sheet.
- **Details of the supplier of the safety data sheet**
  - **Manufacturer:**  
Avmor LTD  
950, Michelin  
Laval, QC,  
Canada  
H7L 5C1  
1-800-387-8074  
www.avmor.com
  - **Client Identification Number** 119100
  - **Emergency telephone number:** CANUTEC 1-613-996-6666

**2 Hazard(s) identification**

- **Classification of the product:**  
The product is not classified according to the Globally Harmonized System (GHS).

- **Label elements**
  - **Hazard pictograms:** Not classified.
  - **Signal word:** Not classified.
  - **Hazard statements:** Not classified.

- **Classification system:**
  - **NFPA ratings (scale 0 - 4)**



- **Hazard not otherwise classified** None
- **Notes:** For the wording of the listed abbreviations refer to section 16.

**3 Composition/information on ingredients**

· <b>Dangerous components:</b>		
68991-48-0	Alcohols C7-21 Ethoxylated	0.3-<1%
65545-80-4	Poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, ether with alpha-fluoro-omega-(2-hydroxyethyl)poly(difluoromethylene) (1:1)	0.3-<1%

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Trade name: **BLUE STUFF GLASS AND SURFACE CLEANER**

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#### **4 First-aid measures**

- **General information:** No special measures required.
- **After inhalation:**  
Rarely cause discomfort; supply fresh air and consult doctor in case of complaints.
- **After skin contact:** Wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After ingestion:** If symptoms persist consult a doctor.
- **Information for doctor:**
  - **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.

#### **5 Fire-fighting measures**

- **Suitable extinguishing media**
- **Suitable extinguishing media**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Specific hazards arising from the product**  
In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (CO<sub>x</sub>) and nitrogen dioxide (NO<sub>x</sub>).
- **Advice for firefighters**
  - **Special protective equipment and precautions for fire-fighters** No special measures required.
- **Additional information** This product is not flammable.

#### **6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Wear recommended protective equipment(s). Keep unprotected persons away.  
Protective gloves
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**  
Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

#### **7 Handling and storage**

- **Handling:**
  - **Precautions for safe handling** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
  - **Requirements to be met by storerooms and receptacles:** No special requirements.
  - **Information about storage in one common storage facility:** Not required.
  - **Conditions for safe storage, including any incompatibilities** None.
- **Specific end use(s)** No further relevant information available.

#### **8 Exposure controls/personal protection**

- **Appropriate engineering controls** Ensure appropriate aeration and ventilation.

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Trade name: **BLUE STUFF GLASS AND SURFACE CLEANER**

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- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
 The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
  - **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
  - **General protective and hygienic measures:** Avoid contact with the eyes.
  - **Breathing equipment:** Not required.
  - **Protection of hands:** Not required.
  - **Eye protection:** Goggles recommended during refilling.
  - **Body protection:** No special measures required.

## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · General Information

##### · Appearance:

- **Form:** Liquid
- **Colour:** Teal blue

- **Odour:** Odourless.
- **Odour threshold:** Not determined.

- **pH-value at 25 °C:** 10.4-11.4

#### · Change in condition

- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** 100 °C

- **Flash point:** Not determined.

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:** Not determined.

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

#### · Explosion limits:

- **Lower:** Not determined.
- **Upper:** Not determined.

- **Vapour pressure at 20 °C:** 23 hPa

- **Density at 25 °C:** 0.990-1.020 g/cm<sup>3</sup>
- **Relative density** Not determined.
- **Vapour density (air=1)** <1 (aqueous solution)
- **Evaporation rate** Not determined.

#### · Solubility in / Miscibility with

- **Water:** Fully miscible

- **Partition coefficient (n-octanol/water):** Not determined.

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- |                            |                 |
|----------------------------|-----------------|
| <b>· Viscosity:</b>        |                 |
| · <b>Dynamic:</b>          | Not determined. |
| <b>· Solvent content:</b>  |                 |
| · <b>Organic solvents:</b> | 0.0 %           |

**10 Stability and reactivity**

- **Reactivity** The product is basic.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Reacts with acids.
- **Conditions to avoid** Avoid freezing and extreme heat conditions.
- **Incompatible materials:** This product may react with strong oxidizing agents.
- **Hazardous decomposition products:**  
In case of decomposition: carbon monoxide and carbon dioxide and traces of volatile halogenated compounds.

**11 Toxicological information**

- **Information on the likely routes of exposure** Skin and eyes contact
- **Acute toxicity:**
  - **Symptomes related to the physical, chemical and toxiological characteristics**
    - **by inhalation:**  
Vapours may cause irritation to the airways. Inhalation of larger amounts may induce discomfort, nausea, dizziness, headache, narcosis, and unconsciousness.
    - **If on the skin:** May cause irritation by prolonged contact with skin.
    - **If on the eye:** No irritating effect.
    - **after ingestion:**  
May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.
  - **Sensitization:** No sensitizing effects known.
- **Delayed and immediate effects, and chronic effects from short-term and long-term exposure**  
Prolonged or frequent contact can cause eczema and inflammation of the skins as a results of degreasing.
- **Additional toxicological information:**  
The product is not subject to classification according to internally approved calculation methods for preparations:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

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Trade name: **BLUE STUFF GLASS AND SURFACE CLEANER**

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**12 Ecological information**

- **Persistence and degradability**  
 Organic compounds of this product are readily biodegradable according to the OECD Guideline 301.
- **Behavior in environmental systems:**
  - **Bioaccumulative potential** Does not accumulate in organisms
  - **Mobility in soil** No further relevant information available.
- **Ecotoxicity** No relevant information available
  - **General notes:**  
 Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

**13 Disposal considerations**

- **Waste treatment methods**
  - **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water.

**14 Transport information**

· DOT, ADN, IMDG, IATA	Not regulated.
· UN proper shipping name · DOT	Not regulated.
· Transport hazard class(es) · Class	Not regulated.
· Packing group · DOT	Not regulated.
· Environmental hazards: · Marine pollutant:	No
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

**15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· <b>Chemicals known to cause cancer:</b>
None of the ingredients is listed.
· <b>Chemicals known to cause reproductive toxicity for females:</b>
None of the ingredients is listed.
· <b>Chemicals known to cause reproductive toxicity for males:</b>
None of the ingredients is listed.

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Trade name: **BLUE STUFF GLASS AND SURFACE CLEANER**

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· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of creation/last revision:** 07/23/2015

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

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**Safety Data Sheet**  
acc. to *SOR/2015-17* and *OSHA 29 CFR Parts 1910, 1915,*  
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### **1 Identification**

· **Product identifier**

· Trade name: ***Biomor A.S.A.P. Floor Degreaser***

· **Article number:** 2270257001, 2270277001, 2270332001

· **Recommended use** Floor Degreaser

· **Restrictions on use**

All other uses than those indicated on the product label and technical data sheet.

· **Details of the supplier of the safety data sheet**

· **Manufacturer:**

Avmor LTD  
950, Michelin  
Laval, QC,  
Canada  
H7L 5C1  
1-800-387-8074  
www.avmor.com

· **Client Identification Number** 119100

· **Emergency telephone number:** CANUTEC 1-613-996-6666

### **2 Hazard(s) identification**

· **Classification of the product:**



Eye Irrit. 2A H319 CAUSES SERIOUS EYE IRRITATION.

· **Label elements**

· **Hazard pictograms:**



GHS07

· **Signal word:** Warning

· **Hazard-determining components of labeling:**

Alcohols C12-15 Ethoxylated

· **Hazard statements:**

H319 CAUSES SERIOUS EYE IRRITATION.

· **Precautionary statements**

P280 Wear eye or face protection equipment.

P264 Wash thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 IF EYE IRRITATION PERSISTS: Get medical attention.

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Trade name: ***Biomor A.S.A.P. Floor Degreaser***

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- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 1  
 Fire = 0  
 Reactivity = 0

- **Hazard not otherwise classified** None
- **Notes:** For the wording of the listed abbreviations refer to section 16.

### **3 Composition/information on ingredients**

- **Dangerous components:**

C A S  
 (% w/w)

C o m p o n e n t

68131-39-5	Alcohols C12-15 Ethoxylated			3-<10%
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### **4 First-aid measures**

- **General information:**
- **After inhalation:**  
Rarely cause discomfort; supply fresh air and consult doctor in case of complaints.
- **After skin contact:** May induce a skin irritation.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After ingestion:** If symptoms persist consult a doctor.
- **Information for doctor:**
  - **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.

### **5 Fire-fighting measures**

- **Suitable extinguishing media**
- **Suitable extinguishing media**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Specific hazards arising from the product**  
In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (CO<sub>x</sub>) and nitrogen dioxide (NO<sub>x</sub>).
- **Advice for firefighters**
  - **Special protective equipment and precautions for fire-fighters** No special measures required.
- **Additional information** This product is not flammable.

### **6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Wear recommended protective equipment(s). Keep unprotected persons away.
- **Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.
- **Methods and material for containment and cleaning up:**  
Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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Trade name: ***Biomor A.S.A.P. Floor Degreaser***

Ensure adequate ventilation.

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## **7 Handling and storage**

- **Handling:**
  - **Precautions for safe handling**  
Ensure good ventilation at the workplace.  
Prevent formation of aerosols.
- **Conditions for safe storage, including any incompatibilities**
  - **Requirements to be met by storerooms and receptacles:** No special requirements.
  - **Information about storage in one common storage facility:** Not required.
  - **Conditions for safe storage, including any incompatibilities**  
Keep in the original receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

## **8 Exposure controls/personal protection**

- **Appropriate engineering controls** Ensure appropriate aeration and ventilation.
- **Control parameters**
  - **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
    - **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
  - **Personal protective equipment:**



Tightly sealed goggles

- **General protective and hygienic measures:**  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Keep away from foodstuffs, beverages and feed.  
Avoid contact with the eyes.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Eye protection:** Tightly sealed goggles
- **Body protection:** No special measures required.

## **9 Physical and chemical properties**

- **Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance:**
      - **Form:** Liquid
      - **Colour:** Colorless.
    - **Odour:** Odourless.
    - **Odour threshold:** Not determined.
  - **pH-value at 25 °C:** 8.0-9.0

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**Safety Data Sheet**  
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Trade name: ***Biomor A.S.A.P. Floor Degreaser***

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· <b>Change in condition</b>	
· <b>Melting point/Melting range:</b>	Undetermined.
· <b>Boiling point/Boiling range:</b>	100 °C
· <b>Flash point:</b>	Not determined.
· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Ignition temperature:</b>	Not determined.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.
· <b>Vapour pressure at 20 °C:</b>	23 hPa
· <b>Density at 25 °C:</b>	1.000-1.020 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density (air=1)</b>	<1 (aqueous solution)
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with</b>	
· <b>Water:</b>	Fully miscible
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
· <b>Dynamic:</b>	Not determined.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	0.0 %

### **10 Stability and reactivity**

- **Reactivity** Not determined.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
 No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Avoid freezing and extreme heat conditions.
- **Incompatible materials:** This product may react with strong oxidizing agents.
- **Hazardous decomposition products:**  
 In case of decomposition: carbon monoxide and carbon dioxide and traces of volatile halogenated compounds.

### **11 Toxicological information**

- **Information on the likely routes of exposure** Skin and eyes contact

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**Safety Data Sheet**  
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Trade name: ***Biomor A.S.A.P. Floor Degreaser***

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- **Acute toxicity:**
- **Numerical measures of toxicity**

Components Mean of exposure	Type	Value (Species)
<b>ATE (Acute Toxicity Estimates)</b>		
Dermal	LD50	50000 mg/kg (rat)

**68131-39-5 Alcohols C12-15 Ethoxylated**

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Irritation of skin	OECD guideline 404	Not classified. (rabbit)
Irritation of eyes	OECD, guideline 405	cat. 1 (rabbit)
Sensitization	OECD, guideline 406	Not classified. (guinea pig)

- **Symptomes related to the physical, chemical and toxicological characteristics**

- **by inhalation:**

Vapours may cause irritation to the airways. Inhalation of larger amounts may induce discomfort, nausea, dizziness, headache, narcosis, and unconsciousness.

- **If on the skin:** May cause irritation by prolonged contact with skin.

- **If on the eye:** Irritating effect.

- **after ingestion:**

May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.

- **Sensitization:** No sensitizing effects known.

- **Delayed and immediate effects, and chronic effects from short-term and long-term exposure**

Prolonged or frequent contact can cause eczema and inflammation of the skins as a results of degreasing.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

**12 Ecological information**

- **Toxicity**

- **Aquatic toxicity:**

<b>68131-39-5 Alcohols C12-15 Ethoxylated</b>	
EC50 (48 h, OECD guideline 202)	0.23 mg/L (daphnia magna [water flea])
EC50 (72 h, OECD guideline 201) (static)	0.75 mg/L (Pseudokirchnerella subcapitata)
LC50 (96 h, OECD guideline 203)	1.3-1.7 mg/L (oncorhynchus mykiss [rainbow trout])
NOEC (21 d, ASTM 1988)	0.77 mg/L (daphnia magna [water flea])
NOEC (30 d, OECD directive 204) (dynamic)	0.11-0.28 mg/L (pimephales promelas [fathead minnow])

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Trade name: ***Biomor A.S.A.P. Floor Degreaser***

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- **Persistence and degradability**  
 Organic compounds of this product are readily biodegradable according to the OECD Guideline 301.
- **Behavior in environmental systems:**
  - **Bioaccumulative potential** Does not accumulate in organisms
  - **Mobility in soil** No further relevant information available.
- **Ecotoxicity** No relevant information available
  - **Remark:** Toxic for fish
  - **General notes:**  
 Also poisonous for fish and plankton in water bodies.  
 Toxic for aquatic organisms

**13 Disposal considerations**

- **Waste treatment methods**
  - **Recommendation:**  
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system unless significantly diluted or neutralized.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water.

**14 Transport information**

· DOT, ADN, IMDG · IATA	Not regulated. UN3082
· UN proper shipping name · DOT	Not regulated.
· Transport hazard class(es) · Class	Not regulated.
· Packing group · DOT	Not regulated.
· Environmental hazards: · Marine pollutant: · Special marking (IATA):	Yes (P) Symbol (fish and tree)
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

**15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· <b>Chemicals known to cause cancer:</b>
None of the ingredients is listed.
· <b>Chemicals known to cause reproductive toxicity for females:</b>
None of the ingredients is listed.

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1926*

Trade name: ***Biomor A.S.A.P. Floor Degreaser***

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· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of creation/last revision:** 05/06/2015

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

P: Marine Pollutant

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

CA

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
1926*

### **1 Identification**

- **Product identifier**
  - Trade name: ***Orange Stuff Hard Surface Cleaner Degreaser***
  - **Article number:** 2219278001
  - **Recommended use** Hard Surface Cleaner & Degreaser.
  - **Restrictions on use**  
All other uses than those indicated on the product label and technical data sheet.
- **Details of the supplier of the safety data sheet**
  - **Manufacturer:**  
Avmor LTD  
950, Michelin  
Laval, QC,  
Canada  
H7L 5C1  
1-800-387-8074  
www.avmor.com
  - **Client Identification Number** 119100
  - **Emergency telephone number:** CANUTEC 1-613-996-6666

### **2 Hazard(s) identification**

- **Classification of the product:**



Eye Irrit. 2A H319 CAUSES SERIOUS EYE IRRITATION.

- **Label elements**

- **Hazard pictograms:**



GHS07

- **Signal word:** Warning
- **Hazard-determining components of labeling:**  
Alcohols C7-21 Ethoxylated
- **Hazard statements:**  
H319 CAUSES SERIOUS EYE IRRITATION.
- **Precautionary statements**  
P280                      Wear eye or face protection equipment.

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# Safety Data Sheet

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Trade name: **Orange Stuff Hard Surface Cleaner Degreaser**

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P264 Wash thoroughly after handling.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P313 IF EYE IRRITATION PERSISTS: Get medical attention.

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 1  
 Fire = 0  
 Reactivity = 0

- **Hazard not otherwise classified** None
- **Notes:** For the wording of the listed abbreviations refer to section 16.

### 3 Composition/information on ingredients

- **Dangerous components:**

C A S (% w/w)	C o m p o n e n t	
68991-48-0	Alcohols C7-21 Ethoxylated	3-<10%
497-19-8	Sodium Carbonate	1-<2.5%
68647-72-3	Oranges Terpenes 95%	0.3-<1%

### 4 First-aid measures

- **General information:**
  - **After inhalation:** Rarely cause discomfort; supply fresh air and consult doctor in case of complaints.
  - **After skin contact:** May induce a skin irritation.
  - **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  - **After ingestion:** If symptoms persist consult a doctor.
- **Information for doctor:**
  - **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Suitable extinguishing media**
- **Suitable extinguishing media**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Specific hazards arising from the product**  
In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (CO<sub>x</sub>) and nitrogen dioxide (NO<sub>x</sub>).
- **Advice for firefighters**
  - **Special protective equipment and precautions for fire-fighters** No special measures required.

(Contd. on page 3)

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
1926*

Trade name: **Orange Stuff Hard Surface Cleaner Degreaser**

(Contd. of page 2)

- **Additional information** This product is not flammable.

## **6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Wear recommended protective equipment(s). Keep unprotected persons away.
- **Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.

## **7 Handling and storage**

- **Handling:**
  - **Precautions for safe handling**  
Ensure good ventilation at the workplace.  
Prevent formation of aerosols.
- **Conditions for safe storage, including any incompatibilities**
  - **Requirements to be met by storerooms and receptacles:** No special requirements.
  - **Information about storage in one common storage facility:** Not required.
  - **Conditions for safe storage, including any incompatibilities**  
Keep in the original receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

## **8 Exposure controls/personal protection**

- **Appropriate engineering controls** Ensure appropriate aeration and ventilation.
- **Control parameters**
  - **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
  - **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
  - **Personal protective equipment:**



Tightly sealed goggles

- **General protective and hygienic measures:**  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Keep away from foodstuffs, beverages and feed.  
Avoid contact with the eyes.
- **Breathing equipment:** Not required.

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**Safety Data Sheet**  
acc. to *SOR/2015-17* and *OSHA 29 CFR Parts 1910, 1915, 1926*

Trade name: **Orange Stuff Hard Surface Cleaner Degreaser**

(Contd. of page 3)

- **Protection of hands:** Not required.
- **Eye protection:** Tightly sealed goggles
- **Body protection:** No special measures required.

## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · General Information

##### · Appearance:

- **Form:** Solution.
- **Colour:** Orange

- **Odour:** Orange
- **Odour threshold:** Not determined.

- **pH-value at 25 °C:** 10.0-11.0

#### · Change in condition

- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** 100 °C

- **Flash point:** Not determined.

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:** 235 °C

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

#### · Explosion limits:

- **Lower:** Not determined.
- **Upper:** Not determined.

- **Vapour pressure at 20 °C:** 23 hPa

- **Density at 25 °C:** 1.025-1.045 g/cm<sup>3</sup>
- **Relative density** Not determined.
- **Vapour density (air=1)** <1 (aqueous solution)
- **Evaporation rate** Not determined.

#### · Solubility in / Miscibility with

- **Water:** Fully miscible

- **Partition coefficient (n-octanol/water):** Not determined.

#### · Viscosity:

- **Dynamic:** Not determined.

#### · Solvent content:

- **Organic solvents:** 0.0 %

CA

(Contd. on page 5)

**Safety Data Sheet**  
acc. to *SOR/2015-17* and *OSHA 29 CFR Parts 1910, 1915, 1926*

Trade name: **Orange Stuff Hard Surface Cleaner Degreaser**

(Contd. of page 4)

### 10 Stability and reactivity

- **Reactivity** The product is basic.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Reacts with acids.
- **Conditions to avoid** Avoid freezing and extreme heat conditions.
- **Incompatible materials:** This product may react with strong oxidizing agents.
- **Hazardous decomposition products:**  
In case of decomposition: carbon monoxide and carbon dioxide and traces of volatile halogenated compounds.

### 11 Toxicological information

- **Information on the likely routes of exposure** Skin and eyes contact
- **Acute toxicity:**
  - **Numerical measures of toxicity**

· Components		Type	Value (Species)
Mean of exposure			
<b>ATE (Acute Toxicity Estimates)</b>			
Oral	LD50		169627 mg/kg (rat)
Dermal	LD50		18008 mg/kg
Inhalative	LC50 (4 h)		1136 mg/L (rat)

<b>68647-72-3 Oranges Terpenes 95%</b>			
Oral	LD50		6100 mg/kg (mouse) 4700 mg/kg (rat)
Dermal	LD50		>5000 mg/kg (rabbit)

- **Symptomes related to the physical, chemical and toxicological characteristics**
  - **by inhalation:**  
Vapours may cause irritation to the airways. Inhalation of larger amounts may induce discomfort, nausea, dizziness, headache, narcosis, and unconsciousness.
  - **If on the skin:** May cause irritation by prolonged contact with skin.
  - **If on the eye:** Irritating effect.
  - **after ingestion:** May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.
  - **Sensitization:** No sensitizing effects known.
- **Delayed and immediate effects, and chronic effects from short-term and long-term exposure**  
Prolonged or frequent contact can cause eczema and inflammation of the skins as a results of degreasing.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

(Contd. on page 6)

CA

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
 1926*

Trade name: **Orange Stuff Hard Surface Cleaner Degreaser**

(Contd. of page 5)

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

**12 Ecological information**

· **Persistence and degradability**

Organic compounds of this product are readily biodegradable according to the OECD Guideline 301.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** Does not accumulate in organisms

· **Mobility in soil** No further relevant information available.

· **Ecotoxicity** No relevant information available

· **Remark:** Harmful to fish

· **General notes:**

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

**13 Disposal considerations**

· **Waste treatment methods**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system unless significantly diluted or neutralized.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleansing agent:** Water.

**14 Transport information**

· **DOT, ADN, IMDG, IATA** Not regulated.

· **UN proper shipping name**

· **DOT** Not regulated.

· **Transport hazard class(es)**

· **Class** Not regulated.

· **Packing group**

· **DOT** Not regulated.

· **Environmental hazards:**

Not applicable.

(Contd. on page 7)

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
1926*

Trade name: **Orange Stuff Hard Surface Cleaner Degreaser**

(Contd. of page 6)

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

### **15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

### **16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Date of creation/last revision:** 06/11/2015

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
1926*

### **1 Identification**

- **Product identifier**
  - Trade name: ***Sani Stuff Prêt à utiliser / Ready to Use***
  - **Article number:** 2037210001
  - **Recommended use** Sanitizer
  - **Restrictions on use**  
All other uses than those indicated on the product label and technical data sheet.
- **Details of the supplier of the safety data sheet**
  - **Manufacturer:**  
Avmor LTD  
950, Michelin  
Laval, QC,  
Canada  
H7L 5C1  
1-800-387-8074  
www.avmor.com
  - **Client Identification Number** 119100
  - **Emergency telephone number:** CANUTEC 1-613-996-6666

### **2 Hazard(s) identification**

- **Classification of the product:**  
The product is not classified according to the Globally Harmonized System (GHS).

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- **Label elements**
  - **Hazard pictograms:** Not classified.
  - **Signal word:** Not classified.
  - **Hazard statements:** Not classified.
- **Classification system:**
  - **NFPA ratings (scale 0 - 4)**



- **Hazard not otherwise classified** None
- **Notes:** For the wording of the listed abbreviations refer to section 16.

### **3 Composition/information on ingredients**

- **Dangerous components:** Not classified.

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
1926*

Trade name: **Sani Stuff Prêt à utiliser / Ready to Use**

(Contd. of page 1)

#### **4 First-aid measures**

- **General information:** No special measures required.
- **After inhalation:** Rarely cause discomfort; supply fresh air and consult doctor in case of complaints.
- **After skin contact:** Wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After ingestion:** If symptoms persist consult a doctor.
- **Information for doctor:**
  - **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.

#### **5 Fire-fighting measures**

- **Suitable extinguishing media**
  - **Suitable extinguishing media**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Specific hazards arising from the product**  
In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (CO<sub>x</sub>) and nitrogen dioxide (NO<sub>x</sub>).
- **Advice for firefighters**
  - **Special protective equipment and precautions for fire-fighters** No special measures required.
- **Additional information** This product is not flammable.

#### **6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Wear recommended protective equipment(s). Keep unprotected persons away.  
Protective gloves
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

#### **7 Handling and storage**

- **Handling:**
  - **Precautions for safe handling** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
  - **Requirements to be met by storerooms and receptacles:** No special requirements.
  - **Information about storage in one common storage facility:** Not required.
  - **Conditions for safe storage, including any incompatibilities** None.
- **Specific end use(s)** No further relevant information available.

#### **8 Exposure controls/personal protection**

- **Appropriate engineering controls** Ensure appropriate aeration and ventilation.

(Contd. on page 3)

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
1926*

Trade name: **Sani Stuff Prêt à utiliser / Ready to Use**

(Contd. of page 2)

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
  - **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
  - **General protective and hygienic measures:** Avoid contact with the eyes.
  - **Breathing equipment:** Not required.
  - **Protection of hands:** Not required.
  - **Eye protection:** Goggles recommended during refilling.
  - **Body protection:** No special measures required.

## **9 Physical and chemical properties**

· <b>Information on basic physical and chemical properties</b>	
· <b>General Information</b>	
· <b>Appearance:</b>	
· <b>Form:</b>	Liquid
· <b>Colour:</b>	Pink
· <b>Odour:</b>	Odourless.
· <b>Odour threshold:</b>	Not determined.
· <b>pH-value at 25 °C:</b>	7.0-8.0
· <b>Change in condition</b>	
· <b>Melting point/Melting range:</b>	Undetermined.
· <b>Boiling point/Boiling range:</b>	100 °C
· <b>Flash point:</b>	Not determined.
· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Ignition temperature:</b>	Not determined.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.
· <b>Vapour pressure at 20 °C:</b>	23 hPa
· <b>Density at 25 °C:</b>	
· <b>Relative density</b>	Not determined.
· <b>Vapour density (air=1)</b>	<1 (aqueous solution)
· <b>Evaporation rate</b>	Not determined.

(Contd. on page 4)

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
 1926*

Trade name: **Sani Stuff Prêt à utiliser / Ready to Use**

(Contd. of page 3)

· <b>Solubility in / Miscibility with</b> · <b>Water:</b>	Fully miscible
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b> · <b>Dynamic:</b>	Not determined.
· <b>Solvent content:</b> · <b>Organic solvents:</b>	0.0 %

### **10 Stability and reactivity**

- **Reactivity** Not determined.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Avoid freezing and extreme heat conditions.
- **Incompatible materials:** This product may react with strong oxidizing agents.
- **Hazardous decomposition products:**  
In case of decomposition: carbon monoxide and carbon dioxide and traces of volatile halogenated compounds.

### **11 Toxicological information**

- **Information on the likely routes of exposure** Skin and eyes contact
- **Acute toxicity:**
  - **Symptomes related to the physical, chemical and toxicological characteristics**
    - **by inhalation:**  
Vapours may cause irritation to the airways. Inhalation of larger amounts may induce discomfort, nausea, dizziness, headache, narcosis, and unconsciousness.
    - **If on the skin:** May cause irritation by prolonged contact with skin.
    - **If on the eye:** No irritating effect.
    - **after ingestion:** May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.
    - **Sensitization:** No sensitizing effects known.
  - **Delayed and immediate effects, and chronic effects from short-term and long-term exposure**  
Prolonged or frequent contact can cause eczema and inflammation of the skins as a results of degreasing.
- **Additional toxicological information:**  
The product is not subject to classification according to internally approved calculation methods for preparations:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- **Carcinogenic categories**

· <b>IARC (International Agency for Research on Cancer)</b>	
64-17-5   Ethanol	1

(Contd. on page 5)



**Safety Data Sheet**  
acc. to *SOR/2015-17* and *OSHA 29 CFR Parts 1910, 1915,*  
*1926*

Trade name: ***Sani Stuff Prêt à utiliser / Ready to Use***

(Contd. of page 4)

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

### **12 Ecological information**

- **Behavior in environmental systems:**
  - **Bioaccumulative potential** No further relevant information available.
  - **Mobility in soil** No further relevant information available.
- **Ecotoxicity** No relevant information available
- **General notes:** Not known to be hazardous to water.

### **13 Disposal considerations**

- **Waste treatment methods**
  - **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water.

### **14 Transport information**

· DOT, ADN, IMDG, IATA	Not regulated.
· UN proper shipping name · DOT	Not regulated.
· Transport hazard class(es) · Class	Not regulated.
· Packing group · DOT	Not regulated.
· Environmental hazards: · Marine pollutant:	No
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

### **15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

(Contd. on page 6)

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
1926*

Trade name: **Sani Stuff Prêt à utiliser / Ready to Use**

(Contd. of page 5)

· **Chemicals known to cause developmental toxicity:**

64-17-5	Ethanol
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· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

64-17-5	Ethanol
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A3
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· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of creation/last revision:** 07/03/2015

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

CA



**Safety Data Sheet**  
acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
1926

**1 Identification**

- **Product identifier**
  - Trade name: **Yellow Stuff Pot and Pan Detergent**
    - **Article number:** 2218278001
    - **Recommended use:** Hand dish washing agent
    - **Restrictions on use:**  
All other uses than those indicated on the product label and technical data sheet.
- **Details of the supplier of the safety data sheet:**
  - **Manufacturer:**  
Avmor LTD  
950, Michelin  
Laval, QC,  
Canada  
H7L 5C1  
1-800-387-8074  
www.avmor.com
  - **Client Identification Number:** 119100
  - **Emergency telephone number:** CANUTEC 1-613-996-6666

**2 Hazard(s) identification**

- **Classification of the product:**



GHS07

Skin Irrit. 2 H315 CAUSES SKIN IRRITATION.  
Eye Irrit. 2A H319 CAUSES SERIOUS EYE IRRITATION.

- **Label elements:**

- **Hazard pictograms:**



GHS07

- **Signal word:** Warning

(Contd. on page 2)

**Safety Data Sheet**  
acc. to *SOR/2015-17* and *OSHA 29 CFR Parts 1910, 1915, 1926*

Trade name: ***Yellow Stuff Pot and Pan Detergent***

(Contd. of page 1)

· **Hazard statements:**

H315 CAUSES SKIN IRRITATION.  
H319 CAUSES SERIOUS EYE IRRITATION.

· **Precautionary statements:**

P264 Wash thoroughly after handling.  
P280 Wear protective gloves and eye or face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 IF EYE IRRITATION PERSISTS: Get medical attention.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P362+P364 Take off contaminated clothing and wash it before reuse.

· **Classification system:**

· **NFPA ratings (scale 0 - 4):**



Health = 1  
Fire = 0  
Reactivity = 0

· **Hazard not otherwise classified:** None

· **Notes:** For the wording of the listed abbreviations refer to section 16.

**3 Composition/information on ingredients**

· **Dangerous components:**

CAS	Component	(% w/w)
9004-82-4	Sodium lauryl ether sulfate Eye Dam. 1, H318; Skin Irrit. 2, H315	5-<10%
27176-87-0	dodecylbenzenesulphonic acid Skin Corr. 1B, H314; Acute Tox. 4, H302	1-<2.5%
68584-22-5	Benzenesulfonic Acid, C10-16 Alkyl Derivs. Skin Corr. 1B, H314; Acute Tox. 4, H302	1-<2.5%
68439-57-6	Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts Skin Irrit. 2, H315; Eye Irrit. 2, H319	0.1-<2.5%
70851-07-9	Amides, coco, N-[3-(dimethylamino)propyl], alkylation products with chloroacetic acid, sodium salts Eye Dam. 1, H318; Skin Irrit. 2, H315	0.1-<2.5%

**4 First-aid measures**

· **General information:**

· **After inhalation:**

In case of unconsciousness place patient stably in side position for transportation. Get medical attention.

· **After skin contact:** May induce a skin irritation.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After ingestion:** If symptoms persist consult a doctor.

(Contd. on page 3)

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
1926*

Trade name: ***Yellow Stuff Pot and Pan Detergent***

(Contd. of page 2)

- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed:**  
No further relevant information available.

### **5 Fire-fighting measures**

- **Suitable extinguishing media:**
- **Suitable extinguishing media:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Specific hazards arising from the product:**  
In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (CO<sub>x</sub>) and nitrogen oxides (NO<sub>x</sub>).
- **Advice for firefighters:**
- **Special protective equipment and precautions for fire-fighters:** No special measures required.
- **Additional information:**  
This product is not flammable.  
See -Section 9- for the flammability characteristics of this product.

### **6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures:**  
Wear recommended protective equipment(s). Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers, surface or ground water.
- **Methods and material for containment and cleaning up:**  
Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.

### **7 Handling and storage**

- **Handling:**
- **Precautions for safe handling:** Ensure good ventilation at the workplace.
- **Conditions for safe storage, including any incompatibilities:**
- **Requirements to be met by storerooms and receptacles:**  
Unsuitable material for receptacle: aluminium.
- **Information about storage in one common storage facility:** Not required.
- **Conditions for safe storage, including any incompatibilities:**  
Keep in the original receptacle tightly sealed.  
Do not store in aluminium or galvanised containers nor use die-cast zinc or aluminium bungs;  
plastic bungs should be used.
- **Specific end use(s):** No further relevant information available.

### **8 Exposure controls/personal protection**

- **Appropriate engenering controls:** No further data; see item 7.

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CA

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
 1926*

Trade name: **Yellow Stuff Pot and Pan Detergent**

(Contd. of page 3)

· **Control parameters:**

· <b>Components with limit values that require monitoring at the workplace:</b>	
<b>1310-73-2 Sodium Hydroxide</b>	
EL (Canada)	Ceiling limit value: 2 mg/m <sup>3</sup>
EV (Canada)	Ceiling limit value: 2 mg/m <sup>3</sup>

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls:**

· **Personal protective equipment:**



Safety goggles (see Eye protection)



Protective gloves (see Protection of hands)

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Not required.

· **Protection of hands:**

Protective gloves are recommended when handling concentrated product

Check protective gloves prior to each use for their proper condition.

· **Eye protection:**

Safety glasses are suggested when using this product in heavy use and institutional environments

Wear splash-proof chemical goggles in an industrial environment

· **Body protection:**

Protective work clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. (recommended)

**9 Physical and chemical properties**

· **Information on basic physical and chemical properties:**

· **General Information:**

· **Appearance:**

· **Form:**

Liquid

· **Colour:**

Yellow

· **Odour:**

Odourless.

· **Odor threshold:**

Not determined.

· **pH-value at 25 °C:**

6.5 -8.5

· **Change in condition:**

· **Melting point/Melting range:**

Undetermined.

(Contd. on page 5)

**Safety Data Sheet**  
acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
1926

Trade name: **Yellow Stuff Pot and Pan Detergent**

(Contd. of page 4)

· <b>Boiling point/Boiling range:</b>	100 °C
· <b>Flash point:</b>	Not determined.
· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Ignition temperature:</b>	250 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.
· <b>Vapour pressure at 20 °C:</b>	23 hPa Not determined.
· <b>Density at 25 °C:</b>	1,020-1,040 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density (air=1):</b>	<1 (aqueous solution)
· <b>Evaporation rate:</b>	Not determined.
· <b>Solubility in / Miscibility with:</b>	
· <b>Water:</b>	Fully miscible
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
· <b>Dynamic:</b>	Not determined.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	0,1 %

## **10 Stability and reactivity**

- **Reactivity:** Not determined.
- **Chemical stability:**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Avoid freezing and extreme heat conditions.
- **Incompatible materials:**  
This product may react with strong oxidizing agents.  
In contact with most metals, produces hydrogen gas, a flammable and explosive gas. It is particularly corrosive to aluminium, tin, lead, and zinc.
- **Hazardous decomposition products:**  
Hydrogen  
In case of decomposition: carbon monoxide and carbon dioxide and traces of volatile halogenated compounds.

CA

(Contd. on page 6)

**Safety Data Sheet**  
acc. to *SOR/2015-17* and *OSHA 29 CFR Parts 1910, 1915, 1926*

Trade name: **Yellow Stuff Pot and Pan Detergent**

(Contd. of page 5)

**11 Toxicological information**

- Information on the likely routes of exposure: Skin and eyes contact
- Acute toxicity:
- Numerical measures of toxicity:

Components Mean of exposure	Type	Value (Species)
<b>ATE (Acute Toxicity Estimates)</b>		
Oral	LD50	10012 mg/kg (Rat)
Dermal	LD50	18445 mg/kg

**9004-82-4 Sodium lauryl ether sulfate**

Oral	LD50	4100 mg/kg (Rat)
Dermal	LD50	>2000 mg/kg (Rat)
Irritation of skin	OECD guideline 404	cat. 2 (Rabbit)
Irritation of eyes	OECD, guideline 405	cat. 2A (Rabbit)

**27176-87-0 dodecylbenzenesulphonic acid**

Oral	LD50	1150 mg/kg (Rat)
Dermal	LD50	>2000 mg/kg (Rat)

**68584-22-5 Benzenesulfonic Acid, C10-16 Alkyl Derivs.**

Oral	LD50	500 mg/kg (Rat)
Dermal	LD50	>2000 mg/kg (Rabbit)

**68439-57-6 Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts**

Oral	LC50	>2000 mg/L (Rat)
------	------	------------------

**70851-07-9 Amides, coco, N-[3-(dimethylamino)propyl], alkylation products with chloroacetic acid, sodium salts**

Oral	LD50	≥ 4900 mg/kg (Rat)
Dermal	LD50	> 2000 mg/kg (Rat)

**68131-39-5 Alcohols (C12-15) Ethoxylated**

Oral	LD50	>5000 mg/kg (Rat)
Dermal	LD50	>2000 mg/kg (Rat)
Irritation of skin	OECD guideline 404	Not classified. (Rabbit)
Irritation of eyes	OECD, guideline 405	cat. 1 (Rabbit)
Sensitization	OECD, guideline 406	Not classified. (guinea pig)

- **Symptomes related to the physical, chemical and toxicological characteristics:**
  - **If on the skin:** Irritant to skin and mucous membranes.
  - **If on the eye:** Irritating effect.
  - **After ingestion:** May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.
  - **Sensitization:** No sensitizing effects known.
- **Delayed and immediate effects, and chronic effects from short-term and long-term exposure:** Prolonged or frequent contact can cause eczema and inflammation of the skins as a results of degreasing.

(Contd. on page 7)



**Safety Data Sheet**  
 acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
 1926

Trade name: **Yellow Stuff Pot and Pan Detergent**

(Contd. of page 6)

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:  
 Irritant

· **Carcinogenic categories:**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

**12 Ecological information**

· **Toxicity**

· **Aquatic toxicity:**

**9004-82-4 Sodium lauryl ether sulfate**

LC50 (96 h, OECD guideline 203) (Dynamic)	7.1 mg/L (danio rerio [zebrafish])
EC50 (48 h, OECD guideline 202) (Static)	7.4 mg/L (daphnia magna [water flea])
EC50 (72 h, OECD guideline 201) (Static)	27 mg/L (Desmodesmus Subspicatus)
NOEC	0.67 mg/L (pimephales promelas [fathead minnow]) (NOEC (45 d, OECD guideline 210))

**27176-87-0 dodecylbenzenesulphonic acid**

LC50 (96 h)	4.1 mg/L (pimephales promelas [fathead minnow])
EC50 (72 h, OECD guideline 201)	7.9 mg/L (Algae)

**68584-22-5 Benzenesulfonic Acid, C10-16 Alkyl Derivs.**

LC50 (96 h, OECD guideline 203)	1.2 mg/L (fish)
EC50 (48 h)	>1000 mg/L (daphnia magna [water flea])
EC50 (72 h, OECD guideline 201)	>1000 mg/L (Pseudokirchnerella Subcapitata)

**68131-39-5 Alcohols (C12-15) Ethoxylated**

LC50 (96 h, OECD guideline 203)	1.3-1.7 mg/L (oncorhynchus mykiss [rainbow trout])
EC50 (48 h, OECD guideline 202)	0.23 mg/L (daphnia magna [water flea])
EC50 (72 h, OECD guideline 201) (Static)	0.75 mg/L (Pseudokirchnerella Subcapitata)
NOEC (30 d, OECD directive 204) (Dynamic)	>1 mg/L (pimephales promelas [fathead minnow])
NOEC (21 d, ASTM 1988)	0.77 mg/L (daphnia magna [water flea])

· **Persistence and degradability:**

Organic compounds of this product are readily biodegradable according to the OECD Guideline 301.

· **Behavior in environmental systems:**

· **Bioaccumulative potential:** Does not accumulate in organisms

· **Mobility in soil:** No further relevant information available.

· **Ecotoxicity:** No relevant information available

· **Remark:** Harmful to fish

· **General notes:**

Germany: Water hazard class 3 (Self-assessment): extremely hazardous for water.

(Contd. on page 8)

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
 1926*

Trade name: ***Yellow Stuff Pot and Pan Detergent***

(Contd. of page 7)

Germany: Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Germany: Danger to drinking water if even extremely small quantities leak into the ground.

Harmful to aquatic organisms

**13 Disposal considerations**

· **Waste treatment methods:**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system unless significantly diluted or neutralized.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleansing agent:** Water.

**14 Transport information**

· <b>UN-Number</b> · <b>DOT, IMDG, IATA</b>	Not regulated.
· <b>UN proper shipping name</b> · <b>DOT, IMDG, IATA</b>	Not regulated.
· <b>Transport hazard class(es)</b> · <b>DOT, IMDG, IATA</b> · <b>Class</b>	Not regulated.
· <b>Packing group</b> · <b>DOT, IMDG, IATA</b>	Not regulated.
· <b>Environmental hazards:</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.

**15 Regulatory information**

· **Safety, health and environmental regulations/legislation specific for the substance or mixture:**

· <b>Chemicals known to cause cancer:</b>
None of the ingredients is listed.
· <b>Chemicals known to cause reproductive toxicity for females:</b>
None of the ingredients is listed.
· <b>Chemicals known to cause reproductive toxicity for males:</b>
None of the ingredients is listed.
· <b>Chemicals known to cause developmental toxicity:</b>
None of the ingredients is listed.

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**Safety Data Sheet**  
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 1926*

Trade name: ***Yellow Stuff Pot and Pan Detergent***

(Contd. of page 8)

· <b>EPA (Environmental Protection Agency)</b>	
57-13-6	urea <span style="float: right;">  </span>
· <b>TLV (Threshold Limit Value established by ACGIH)</b>	
None of the ingredients is listed.	
· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>	
None of the ingredients is listed.	

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing MSDS:**

Prepared by :

Regulatory Affairs Department

· **Date of creation/last revision:** 02/18/2016

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A



**Safety Data Sheet**  
acc. to *SOR/2015-17* and *OSHA 29 CFR Parts 1910, 1915,*  
*1926*

**1 Identification**

- **Product identifier**
  - **Trade name:** **SANI-STUFF**
  - **Article number:** 2036278001
  - **Recommended use:**  
Sanitizer  
Disinfectant hard surfaces
  - **Restrictions on use:**  
All other uses than those indicated on the product label and technical data sheet.
- **Details of the supplier of the safety data sheet:**
  - **Manufacturer:**  
Avmor LTD  
950, Michelin  
Laval, QC,  
Canada  
H7L 5C1  
1-800-387-8074  
www.avmor.com
  - **Client Identification Number:** 119100
  - **Emergency telephone number:** CANUTEC 1-613-996-6666

**2 Hazard(s) identification**

- **Classification of the product:**  
This product is registered as a drug. It is not regulated under the Hazardous Products Act (R.S.C., 1985, ch. H-3).



GHS05

Skin Corr. 1C H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

Eye Dam. 1 H318 CAUSES SERIOUS EYE DAMAGE.

(Contd. on page 2)

CA



**Safety Data Sheet**  
acc. to *SOR/2015-17* and *OSHA 29 CFR Parts 1910, 1915, 1926*

Trade name: **SANI-STUFF**

(Contd. of page 1)

· **Label elements:**

· **Hazard pictograms:**



GHS05

· **Signal word:** Danger

· **Hazard statements:**

H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

· **Precautionary statements:**

P260 Do not breathe dust, fume, gas, mist, vapors or spray.

P264 Wash thoroughly after handling.

P280 Wear protective gloves and eye or face protection.

P303+P361+P353 IF ON SKIN OR HAIR: Remove or take off immediately all contaminated clothing. Rinse skin with water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P310 Immediately call a POISON CENTER or a doctor.

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents and container in accordance with local, regional and national regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4):**



Health = 2

Fire = 0

Reactivity = 0

· **Hazard not otherwise classified:** None

· **Notes:** For the wording of the listed abbreviations refer to section 16.

CA

(Contd. on page 3)



**Safety Data Sheet**  
acc. to *SOR/2015-17* and *OSHA 29 CFR Parts 1910, 1915, 1926*

Trade name: **SANI-STUFF**

(Contd. of page 2)

**3 Composition/information on ingredients**

· **Dangerous components:**

CAS	Component	(% w/w)
68391-01-5	Benzyl C12-18 Alkyldimethyl Ammonium Chloride Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302	2.5-<10%
85409-23-0	Alkyl(68%C12, 32%C14) Dimethyl Ethyl Benzyl Ammonium Chloride Skin Corr. 1C, H314; Eye Dam. 1, H318; Acute Tox. 4, H302	2.5-<10%
64-17-5	Ethanol Flam. Liq. 2, H225; Eye Irrit. 2A, H319; STOT SE 3, H336	0.1-≤2.5%

**4 First-aid measures**

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**  
In case of unconsciousness place patient stably in side position for transportation. Get medical attention.
- **After skin contact:**  
Remove immediately all contaminated clothing. Rinse skin with water or shower for at least 15 minutes. Consult a doctor if skin redness and irritation persist.  
Immediately rinse with water.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do so. Continue rinsing for a minimum of 15 to 60 minutes. Then consult a doctor.
- **After ingestion:**  
Drink copious amounts of water and provide fresh air. Immediately call a doctor. Do not induce vomiting.
- **Information for doctor:**
  - **Most important symptoms and effects, both acute and delayed:**  
Contact can cause pain, redness, burns, and even blistering. Burns may not be immediately painful; onset of pain may be delayed minutes to hours. Permanent damage, including blindness, can result after prolonged contact with eyes.

CA

(Contd. on page 4)



**Safety Data Sheet**  
acc. to *SOR/2015-17* and *OSHA 29 CFR Parts 1910, 1915, 1926*

Trade name: **SANI-STUFF**

(Contd. of page 3)

### **5 Fire-fighting measures**

- **Suitable extinguishing media:**
- **Suitable extinguishing media:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Specific hazards arising from the product:**  
In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (CO<sub>x</sub>) and nitrogen oxides (NO<sub>x</sub>).
- **Advice for firefighters:**
  - **Special protective equipment and precautions for fire-fighters:** No special measures required.
- **Additional information:**  
This product is not flammable.  
See -Section 9- for the flammability characteristics of this product.

### **6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures:**  
Wear recommended protective equipment(s). Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers, surface or ground water.
- **Methods and material for containment and cleaning up:**  
Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.

### **7 Handling and storage**

- **Handling:**
  - **Precautions for safe handling:** Ensure good ventilation at the workplace.
- **Conditions for safe storage, including any incompatibilities:**
  - **Requirements to be met by storerooms and receptacles:** No special requirements.
  - **Information about storage in one common storage facility:** Not required.
  - **Conditions for safe storage, including any incompatibilities:**  
Protect from heat and direct sunlight.  
Store under lock and key and out of the reach of children.
- **Specific end use(s):** No further relevant information available.

CA  
(Contd. on page 5)



**Safety Data Sheet**  
acc. to *SOR/2015-17* and *OSHA 29 CFR Parts 1910, 1915, 1926*

Trade name: **SANI-STUFF**

(Contd. of page 4)

**8 Exposure controls/personal protection**

- **Appropriate engineering controls:** No further data; see item 7.
- **Control parameters:**

· **Components with limit values that require monitoring at the workplace:**

**64-17-5 Ethanol**

EL (Canada)	Short-term value: 1000 ppm
EV (Canada)	Long-term value: 1,900 mg/m <sup>3</sup> , 1,000 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls:**
- **Personal protective equipment:**



Safety goggles



Protective gloves

- **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.

- **Breathing equipment:** Not required.

- **Protection of hands:**

Protective gloves.  
Check protective gloves prior to each use for their proper condition.  
The glove material has to be impermeable and resistant to the product.

- **Eye protection:** Safety goggles.

- **Body protection:**

Protective work clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. (recommended)

CA

(Contd. on page 6)





**Safety Data Sheet**  
acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
1926

Trade name: **SANI-STUFF**

(Contd. of page 5)

### 9 Physical and chemical properties

· **Information on basic physical and chemical properties:**

· **General Information:**

· **Appearance:**

· **Form:** Liquid

· **Colour:** Red

· **Odour:** Quaternary

· **Odor threshold:** Not determined.

· **pH-value at 25 °C:** 6.5 - 8.5

· **Change in condition:**

· **Melting point/Melting range:** Undetermined.

· **Boiling point/Boiling range:** 78 °C

· **Flash point:** Not determined.

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 470 °C

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

· **Lower:** Not determined.

· **Upper:** Not determined.

· **Vapour pressure at 20 °C:** 23 hPa  
Not determined.

· **Density at 25 °C:** 0.985 - 1.005 g/cm<sup>3</sup>

· **Relative density** Not determined.

· **Vapour density (air=1):** <1 (aqueous solution)

· **Evaporation rate:** Not determined.

· **Solubility in / Miscibility with:**

· **Water:** Fully miscible

· **Partition coefficient (n-octanol/water):** Not determined.

(Contd. on page 7)

CA



**Safety Data Sheet**  
 acc. to *SOR/2015-17* and *OSHA 29 CFR Parts 1910, 1915, 1926*

Trade name: **SANI-STUFF**

(Contd. of page 6)

- |                            |                 |
|----------------------------|-----------------|
| · <b>Viscosity:</b>        |                 |
| · <b>Dynamic:</b>          | Not determined. |
| · <b>Solvent content:</b>  |                 |
| · <b>Organic solvents:</b> | 1.2 %           |

**10 Stability and reactivity**

- **Reactivity:** Not determined.
- **Chemical stability:**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Avoid freezing and extreme heat conditions.
- **Incompatible materials:** This product may react with strong oxidizing agents.
- **Hazardous decomposition products:**  
In case of decomposition: carbon monoxide and carbon dioxide and traces of volatile halogenated compounds.

**11 Toxicological information**

- **Information on the likely routes of exposure:** Skin and eyes contact
- **Acute toxicity:**
  - **Numerical mesures of toxicity:**

· Components Mean of exposure	Type	Value (Species)
<b>ATE (Acute Toxicity Estimates)</b>		
Oral	LD50	5520 mg/kg
<b>68391-01-5 Benzyl C12-18 Alkyldimethyl Ammonium Chloride</b>		
Oral	LD50	650 mg/kg (Rat)
<b>64-17-5 Ethanol</b>		
Oral	LD50	7060 mg/kg (Rat)
Inhalative	LC50 (4 h)	20000 mg/L (Rat)

(Contd. on page 8)



**Safety Data Sheet**  
acc. to *SOR/2015-17* and *OSHA 29 CFR Parts 1910, 1915,*  
*1926*

Trade name: **SANI-STUFF**

(Contd. of page 7)

- **Symptomes related to the physical, chemical and toxiological characteristics:**
  - **If on the skin:**  
CORROSIVE: Strong caustic effect on skin and mucous membranes.  
Irritant to skin and mucous membranes.
  - **If on the eye:**  
CORROSIVE: Strong caustic effect.  
Strong irritant with the danger of severe eye injury.
  - **After ingestion:** May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.
  - **Sensitization:** No sensitizing effects known.
- **Delayed and immediate effects, and chronic effects from short-term and long-term exposure:**  
Prolonged or frequent contact can cause eczema and inflammation of the skins as a results of degreasing.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant
- **Carcinogenic categories:**

· **IARC (International Agency for Research on Cancer)**

64-17-5 Ethanol

1

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

**12 Ecological information**

- **Persistence and degradability:** No relevant information available.
- **Behavior in environmental systems:**
  - **Bioaccumulative potential:** No further relevant information available.
  - **Mobility in soil:** No further relevant information available.
- **Ecotoxicity:** No relevant information available
- **General notes:**  
Germany: Water hazard class 3 (Self-assessment): extremely hazardous for water.  
Germany: Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Germany: Danger to drinking water if even extremely small quantities leak into the ground.

CA

(Contd. on page 9)



**Safety Data Sheet**  
acc. to *SOR/2015-17* and *OSHA 29 CFR Parts 1910, 1915, 1926*

Trade name: **SANI-STUFF**

(Contd. of page 8)

**13 Disposal considerations**

- **Waste treatment methods:**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system unless significantly diluted or neutralized.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water.

**14 Transport information**

· DOT, IMDG, IATA	UN1760
· UN proper shipping name · DOT	Corrosive liquids, n.o.s. (Alkyl(68%C12, 32%C14) Dimethyl Ethyl Benzyl Ammonium Chloride, Benzyl C12-18 Alkyldimethyl Ammonium Chloride)
· Transport hazard class(es) · Class	8 Corrosive substances
· Packing group · DOT	III
· Environmental hazards:	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

**15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**

· <b>Chemicals known to cause cancer:</b>
None of the ingredients is listed.
· <b>Chemicals known to cause reproductive toxicity for females:</b>
None of the ingredients is listed.

(Contd. on page 10)



**Safety Data Sheet**  
acc. to *SOR/2015-17* and *OSHA 29 CFR Parts 1910, 1915, 1926*

Trade name: **SANI-STUFF**

(Contd. of page 9)

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

64-17-5 Ethanol

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

64-17-5 Ethanol

A3

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of creation/last revision:** 02/23/2016

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

**Safety Data Sheet**  
acc. to *SOR/2015-17* and *OSHA 29 CFR Parts 1910, 1915,*  
*1926*

### **1 Identification**

· **Product identifier**

· Trade name: ***Hot Stuff Gel Ready to Use***

· **Article number:** 1920210001, 1920278002

· **Recommended use** Oven, grill and fryer cleaner.

· **Restrictions on use**

All other uses than those indicated on the product label and technical data sheet.

· **Details of the supplier of the safety data sheet**

· **Manufacturer:**

Avmor LTD

950, Michelin

Laval, QC,

Canada

H7L 5C1

1-800-387-8074

www.avmor.com

· **Client Identification Number** 119100

· **Emergency telephone number:** CANUTEC 1-613-996-6666

### **2 Hazard(s) identification**

· **Classification of the product:**



Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.



Acute Tox. 4 H302 Harmful if swallowed.

· **Label elements**

· **Hazard pictograms:**



GHS05 GHS07

· **Signal word:** Danger

· **Hazard-determining components of labeling:**

Potassium Hydroxide

· **Hazard statements:**

H302 Harmful if swallowed.

(Contd. on page 2)

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
 1926*

Trade name: **Hot Stuff Gel Ready to Use**

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H314 Causes severe skin burns and eye damage.

· **Precautionary statements**

- P260 Do not breathe vapours.
- P280 Wear protective gloves and eye or face protection.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P303+P361+P353 IF ON SKIN OR HAIR: Remove or take off immediately all contaminated clothing. Rinse skin with water or shower.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P301+P312 IF SWALLOWED: Call a POISON CENTER or a doctor if you feel unwell.
- P304+P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
- P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P363 Wash contaminated clothing before reuse.
- P405 Store locked up.
- P501 Dispose of contents and container in accordance with local, regional and national regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 3  
 Fire = 0  
 Reactivity = 0

· **Hazard not otherwise classified** None

· **Notes:** For the wording of the listed abbreviations refer to section 16.

**3 Composition/information on ingredients**

· **Dangerous components:**

C A S (% w/w)	C o m p o n e n t
------------------	-------------------

1310-58-3 Potassium Hydroxide	10-<25%
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**4 First-aid measures**

· **General information:**

Immediately remove any clothing soiled by the product. Wash contaminated clothing before reuse. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Caustic products usually don't generate instantaneous painful burns in contact with eyes or skin. In case of direct contact with this product, react immediately by following the measures below.

· **After inhalation:**

In case of unconsciousness place patient stably in side position for transportation. Get medical attention.

· **After skin contact:**

Remove immediately all contaminated clothing. Rinse skin with water or shower for at least 15 minutes. Consult a doctor if skin redness and irritation persist.

· **After eye contact:**

Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do so. Continue rinsing for a minimum of 15 to 60 minutes. Then consult a doctor.

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**Safety Data Sheet**  
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Trade name: **Hot Stuff Gel Ready to Use**

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- **After ingestion:**  
Drink copious amounts of water and provide fresh air. Immediately call a doctor. Do not induce vomiting.
- **Information for doctor:**
  - **Most important symptoms and effects, both acute and delayed**  
Contact can cause pain, redness, burns, and even blistering. Burns may not be immediately painful; onset of pain may be delayed minutes to hours. Permanent damage including blindness can result after prolonged contact with eyes.

### **5 Fire-fighting measures**

- **Suitable extinguishing media**
  - **Suitable extinguishing media** CO<sub>2</sub>, sand, extinguishing powder.
- **Specific hazards arising from the product**  
In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (CO<sub>x</sub>) and nitrogen dioxide (NO<sub>x</sub>).
- **Advice for firefighters**
  - **Special protective equipment and precautions for fire-fighters** No special measures required.
- **Additional information** This product is not flammable.

### **6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Wear recommended protective equipment(s). Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralizing agent (eg. food vinegar (5% acetic acid), citric acid, sodium bicarbonate in excess)  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

### **7 Handling and storage**

- **Handling:**
  - **Precautions for safe handling**  
Ensure good ventilation at the workplace.  
Prevent formation of aerosols.
- **Conditions for safe storage, including any incompatibilities**
  - **Requirements to be met by storerooms and receptacles:** No special requirements.
  - **Information about storage in one common storage facility:** Not required.
  - **Conditions for safe storage, including any incompatibilities**  
Keep in the original receptacle tightly sealed.  
Store under lock and key and out of the reach of children.
- **Specific end use(s)** No further relevant information available.

### **8 Exposure controls/personal protection**

- **Appropriate engineering controls** Ensure appropriate aeration and ventilation.

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Trade name: **Hot Stuff Gel Ready to Use**

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· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

**1310-58-3 Potassium Hydroxide**

EL (Canada) Ceiling limit value: 2 mg/m<sup>3</sup>

EV (Canada) Ceiling limit value: 2 mg/m<sup>3</sup>

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**



Tightly sealed goggles



Protective gloves



Alkaline resistant protective clothing (suggested)

· **General protective and hygienic measures:**

Avoid contact with the eyes and skin.

Do not breathe dust, fume, gas, mist, vapors or spray.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Keep away from foodstuffs, beverages and feed.

· **Breathing equipment:** Not required.

· **Protection of hands:** Protective gloves

· **Eye protection:** Tightly sealed goggles

· **Body protection:** Alkaline resistant protective clothing (suggested)

**9 Physical and chemical properties**

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· **Form:** Liquid

· **Colour:** Colorless.

· **Odour:** Odourless.

· **Odour threshold:** Not determined.

· **pH-value at 25 °C:** pH conc. > 13  
 pH (1%)= 12.0-13.0

· **Change in condition**

· **Melting point/Melting range:** Undetermined.

· **Boiling point/Boiling range:** 100 °C

· **Flash point:** Not determined.

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Trade name: **Hot Stuff Gel Ready to Use**

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· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Ignition temperature:</b>	Not determined.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.
· <b>Vapour pressure at 20 °C:</b>	23 hPa
· <b>Density at 25 °C:</b>	1.125-1.135 g/cm <sup>3</sup>
· <b>Vapour density (air=1)</b>	<1 (aqueous solution)
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with</b>	
· <b>Water:</b>	Fully miscible
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
· <b>Dynamic:</b>	Not determined.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	1.9 %

### 10 Stability and reactivity

- **Reactivity** The product is basic.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Reacts with acids.
- **Conditions to avoid** Avoid freezing and extreme heat conditions.
- **Incompatible materials:** This product can react with strong oxidizing agents and strong acids.
- **Hazardous decomposition products:**  
In case of decomposition: carbon monoxide and carbon dioxide and traces of volatile halogenated compounds.

### 11 Toxicological information

- **Information on the likely routes of exposure** Skin and eyes contact
- **Acute toxicity:**
  - **Numerical mesures of toxicity**

· <b>Components</b>		<b>Type</b>	<b>Value (Species)</b>
· <b>Mean of exposure</b>			
<b>ATE (Acute Toxicity Estimates)</b>			
Oral	LD50		1517 mg/kg (rat)
Inhalative	LC50 (4 h)		3190 mg/L (rat)

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**Safety Data Sheet**  
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Trade name: **Hot Stuff Gel Ready to Use**

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**1310-58-3 Potassium Hydroxide**

Oral	LD50	273 mg/kg (rat)
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- **Symptomes related to the physical, chemical and toxiological characteristics**
- **by inhalation:**  
 Vapours may cause irritation to the airways. Inhalation of larger amounts may induce discomfort, nausea, dizziness, headache, narcosis, and unconsciousness.
- **If on the skin:** CORROSIVE: Strong caustic effect on skin and mucous membranes.
- **If on the eye:**  
 CORROSIVE: Strong caustic effect.  
 Strong irritant with the danger of severe eye injury.
- **after ingestion:**  
 CORROSIVE: strong caustic effect on the gastrointestinal tract with danger of perforation of esophagus and stomach.
- **Sensitization:** No sensitizing effects known.
- **Delayed and immediate effects, and chronic effects from short-term and long-term exposure**  
 Prolonged or frequent contact can cause eczema and inflammation of the skins as a results of degreasing.
- **Additional toxicological information:**  
 The product shows the following dangers according to internally approved calculation methods for preparations:  
 Harmful  
 Corrosive  
 Irritant
- **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

67-63-0	propan-2-ol	3
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· **NTP (National Toxicology Program)**

None of the ingredients is listed.

**12 Ecological information**

- **Persistence and degradability** No relevant information available.
- **Behavior in environmental systems:**
  - **Bioaccumulative potential** No further relevant information available.
  - **Mobility in soil** No further relevant information available.
- **Ecotoxicity** No relevant information available
- **General notes:**  
 Do not allow product to reach ground water, water course or sewage system.  
 Must not reach bodies of water or drainage ditch undiluted or unneutralized.  
 Danger to drinking water if even small quantities leak into the ground.  
 Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

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Trade name: **Hot Stuff Gel Ready to Use**

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**13 Disposal considerations**

- **Waste treatment methods**
- **Recommendation:**  
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system unless significantly diluted or neutralized.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water.

**14 Transport information**

· DOT, IMDG, IATA	UN1814
· UN proper shipping name · DOT	Potassium hydroxide, solution
· Transport hazard class(es) · Class	8 Corrosive substances
· Packing group · DOT	II
· Environmental hazards: · Marine pollutant:	No
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

**15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· <b>Chemicals known to cause cancer:</b>	
None of the ingredients is listed.	
· <b>Chemicals known to cause reproductive toxicity for females:</b>	
None of the ingredients is listed.	
· <b>Chemicals known to cause reproductive toxicity for males:</b>	
None of the ingredients is listed.	
· <b>Chemicals known to cause developmental toxicity:</b>	
None of the ingredients is listed.	
· <b>EPA (Environmental Protection Agency)</b>	
None of the ingredients is listed.	
· <b>TLV (Threshold Limit Value established by ACGIH)</b>	
67-63-0   propan-2-ol	A4
· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>	
None of the ingredients is listed.	

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Trade name: ***Hot Stuff Gel Ready to Use***

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**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of creation/last revision:** 06/09/2015

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

CA

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
1926*

## **1 Identification**

- **Product identifier**
  - Trade name: ***HOT STUFF Oven and Grill Cleaner***
  - **Article number:** 1154278003
  - **Recommended use** Oven, grill and fryer cleaner.
  - **Restrictions on use**  
All other uses than those indicated on the product label and technical data sheet.
- **Details of the supplier of the safety data sheet**
  - **Manufacturer:**  
Avmor LTD  
950, Michelin  
Laval, QC,  
Canada  
H7L 5C1  
1-800-387-8074  
www.avmor.com
  - **Client Identification Number** 119100
  - **Emergency telephone number:** CANUTEC 1-613-996-6666

## **2 Hazard(s) identification**

- **Classification of the product:**



GHS05

Skin Corr. 1A H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

Eye Dam. 1 H318 CAUSES SERIOUS EYE DAMAGE.

- 
- **Label elements**

- **Hazard pictograms:**



GHS05

- **Signal word:** Danger
- **Hazard-determining components of labeling:**  
Sodium Hydroxide  
Ethoxylated Alcohol's Esther Phosphate
- **Hazard statements:**  
H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
- **Precautionary statements**
  - P260 Do not breathe dusts or mists.
  - P280 Wear protective gloves and eye or face protection.
  - P264 Wash thoroughly after handling.

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**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
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Trade name: ***HOT STUFF Oven and Grill Cleaner***

(Contd. of page 1)

P303+P361+P353 IF ON SKIN OR HAIR: Remove or take off immediately all contaminated clothing. Rinse skin with water or shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P310 Immediately call a POISON CENTER or a doctor.

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents and container in accordance with local, regional and national regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 3

Fire = 0

Reactivity = 0

· **Hazard not otherwise classified** None

· **Notes:** For the wording of the listed abbreviations refer to section 16.

### **3 Composition/information on ingredients**

· **Dangerous components:**

CAS	Component	(% w/w)
1310-73-2	Sodium Hydroxide	10-<25%
68585-36-4	Ethoxylated Alcool's Esther Phosphate	1-<2.5%
7664-38-2	Phosphoric Acid	0.1-<0.3%

### **4 First-aid measures**

· **General information:**

Immediately remove any clothing soiled by the product. Wash contaminated clothing before reuse. Caustic products usually don't generate instantaneous painful burns in contact with eyes or skin. In case of direct contact with this product, react immediatly by following the measures below.

· **After inhalation:**

In case of unconsciousness place patient stably in side position for transportation. Get medical attention.

· **After skin contact:**

Remove immediately all contaminated clothing. Rinse skin with water or shower for at least 15 minutes. Consult a doctor if skin redness and irritation persist.

· **After eye contact:**

Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do so. Continue rinsing for a minimum of 15 to 60 minutes. Then consult a doctor.

· **After ingestion:**

Drink copious amounts of water and provide fresh air. Immediately call a doctor. Do not induce vomiting.

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**Safety Data Sheet**  
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1926*

Trade name: ***HOT STUFF Oven and Grill Cleaner***

(Contd. of page 2)

- **Information for doctor:**
  - **Most important symptoms and effects, both acute and delayed**  
Contact can cause pain, redness, burns, and even blistering. Burns may not be immediately painful; onset of pain may be delayed minutes to hours. Permanent damage including blindness can result after prolonged contact with eyes.

### **5 Fire-fighting measures**

- **Suitable extinguishing media**
  - **Suitable extinguishing media** CO<sub>2</sub>, sand, extinguishing powder.
- **Specific hazards arising from the product**  
In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (CO<sub>x</sub>) and nitrogen dioxide (NO<sub>x</sub>).
- **Advice for firefighters**
  - **Special protective equipment and precautions for fire-fighters** No special measures required.
- **Additional information** This product is not flammable.

### **6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Wear recommended protective equipment(s). Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralizing agent (eg. food vinegar (5% acetic acid), citric acid, sodium bicarbonate in excess)  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

### **7 Handling and storage**

- **Handling:**
  - **Precautions for safe handling**  
Ensure good ventilation at the workplace.  
Prevent formation of aerosols.
- **Conditions for safe storage, including any incompatibilities**
  - **Requirements to be met by storerooms and receptacles:** No special requirements.
  - **Information about storage in one common storage facility:** Not required.
  - **Conditions for safe storage, including any incompatibilities**  
Keep in the original receptacle tightly sealed.  
Store under lock and key and out of the reach of children.
- **Specific end use(s)** No further relevant information available.

### **8 Exposure controls/personal protection**

- **Appropriate engineering controls** Ensure appropriate aeration and ventilation.

(Contd. on page 4)



**Safety Data Sheet**  
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Trade name: ***HOT STUFF Oven and Grill Cleaner***

(Contd. of page 3)

· **Control parameters**

· <b>Components with limit values that require monitoring at the workplace:</b>	
<b>1310-73-2 Sodium Hydroxide</b>	
EL (Canada)	Ceiling limit value: 2 mg/m <sup>3</sup>
EV (Canada)	Ceiling limit value: 2 mg/m <sup>3</sup>
<b>7664-38-2 Phosphoric Acid</b>	
EL (Canada)	Short-term value: 3 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup>
EV (Canada)	Short-term value: 3 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup>

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**



Safety glasses



Protective gloves



Alkaline resistant protective clothing (suggested)

· **General protective and hygienic measures:**

- Avoid contact with the eyes and skin.
- Do not breathe dust, fume, gas, mist, vapors or spray.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Keep away from foodstuffs, beverages and feed.

- **Breathing equipment:** Not required.
- **Protection of hands:** Protective gloves
- **Eye protection:** Safety glasses
- **Body protection:** Alkaline resistant protective clothing (suggested)

**9 Physical and chemical properties**

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

- **Form:** Liquid
- **Colour:** Colourless to pale yellow liquid
- **Odour:** Odourless.

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**Safety Data Sheet**  
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Trade name: ***HOT STUFF Oven and Grill Cleaner***

(Contd. of page 4)

· Odour threshold:	Not determined.
· pH-value at 25 °C:	>13
· Change in condition	
· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	100 °C
· Flash point:	Not determined.
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	Not determined.
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
· Lower:	Not determined.
· Upper:	Not determined.
· Density at 25 °C:	1.140-1.157 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density (air=1)	<1 (aqueous solution)
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
· Water:	Fully miscible
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
· Dynamic:	Not determined.
· Solvent content:	
· Organic solvents:	0.0 %

### **10 Stability and reactivity**

- **Reactivity** The product is basic.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Reacts with acids.
- **Conditions to avoid** Avoid freezing and extreme heat conditions.
- **Incompatible materials:** This product can react with strong oxidizing agents and strong acids.
- **Hazardous decomposition products:**  
In case of decomposition: carbon monoxide and carbon dioxide and traces of volatile halogenated compounds.

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(Contd. on page 6)

**Safety Data Sheet**  
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Trade name: ***HOT STUFF Oven and Grill Cleaner***

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**11 Toxicological information**

- Information on the likely routes of exposure Skin and eyes contact
- Acute toxicity:
  - Numerical measures of toxicity

· Components		Type	Value (Species)
Mean of exposure			
<b>ATE (Acute Toxicity Estimates)</b>			
Oral	LD50		2148 mg/kg (Rat)
Inhalative	LC50 (4 h)		27 mg/L
<b>1310-73-2 Sodium Hydroxide</b>			
Oral	LD50		240 mg/kg (Rat)
<b>7664-38-2 Phosphoric Acid</b>			
Oral	LD50		1530 mg/kg (Rat)

- **Symptomes related to the physical, chemical and toxicological characteristics**
  - **by inhalation:**  
Vapours may cause irritation to the airways. Inhalation of larger amounts may induce discomfort, nausea, dizziness, headache, narcosis, and unconsciousness.
  - **If on the skin:** CORROSIVE: Strong caustic effect on skin and mucous membranes.
  - **If on the eye:**  
CORROSIVE: Strong caustic effect.  
Strong irritant with the danger of severe eye injury.
  - **after ingestion:**  
CORROSIVE: strong caustic effect on the gastrointestinal tract with danger of perforation of esophagus and stomach.
  - **Sensitization:** No sensitizing effects known.
- **Delayed and immediate effects, and chronic effects from short-term and long-term exposure**  
Prolonged or frequent contact can cause eczema and inflammation of the skins as a results of degreasing.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Corrosive  
Irritant

· **Carcinogenic categories**

· <b>IARC (International Agency for Research on Cancer)</b>
None of the ingredients is listed.
· <b>NTP (National Toxicology Program)</b>
None of the ingredients is listed.

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(Contd. on page 7)

**Safety Data Sheet**  
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Trade name: ***HOT STUFF Oven and Grill Cleaner***

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**12 Ecological information**

· **Toxicity**

· <b>Aquatic toxicity:</b>	
<b>1310-73-2 Sodium Hydroxide</b>	
EC50 (48 h) (static)	40.4 mg/L (Ceriodaphnia Dubia)
EC50 (96 h)	196 mg/L (fish)

· **Persistence and degradability**

Organic compounds of this product are readily biodegradable according to the OECD Guideline 301.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** Does not accumulate in organisms

· **Mobility in soil** No further relevant information available.

· **Ecotoxicity** No relevant information available

· **General notes:**

Do not allow product to reach ground water, water course or sewage system.

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

Danger to drinking water if even small quantities leak into the ground.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values.

A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

**13 Disposal considerations**

· **Waste treatment methods**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system unless significantly diluted or neutralized.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleansing agent:** Water.

**14 Transport information**

· <b>DOT, IMDG, IATA</b>	UN1824
· <b>UN proper shipping name</b>	
· <b>DOT</b>	Sodium hydroxide solution
· <b>Transport hazard class(es)</b>	
· <b>Class</b>	8 Corrosive substances
· <b>Packing group</b>	
· <b>DOT</b>	II
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No

(Contd. on page 8)

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
1926*

Trade name: ***HOT STUFF Oven and Grill Cleaner***

(Contd. of page 7)

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

### **15 Regulatory information**

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

### **16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of creation/last revision:** 09/15/2015

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

AVMOR  
950 MICHELIN  
LAVAL QC H7L5C1

### Section I. Product Identification and Uses

**HMIS (HFRP)**  
**Health Hazard** 1  
**Fire Hazard** 0  
**Reactivity** 0  
**Personal Protection** b

**Common / Trade name** EP71 FOAMING HAND SOAP

**TDG** Not controlled under TDG (Canada).

**WHMIS** Not, controlled, under, WHMIS, (Canada),. This, product, is, classified, under, Cosmetic, Regulations.

**PIN** Not applicable.

**Code** 2055

**PG** Not applicable.

**Material uses** Hand soap

### Section II. Hazardous Ingredients

Name	CAS #	% by weight	TLV/PEL	LC50/LD50
Sodium Laureth Sulfate	68585-34-2	5 - 10	Not available.	ORAL (LD50) Acute: > 5000 mg/kg (Rat) DERMAL (LD50) Acute: > 2000 mg/kg (Rabbit)
Cocamidopropyl Betaine	61789-40-0	1 - 5	Not available.	Not available.

### Section III. First Aid Measures

**Eye contact** In case of contact with eyes, rinse immediately with plenty of water.If irritation persists, get medical attention.  
**Skin contact** If irritation develops or increase, use of this product should be discontinued. Consult a doctor.  
**Inhalation** Not applicable.  
**Ingestion** DO NOT induce vomiting. Have conscious person drink several glasses of water. Seek medical attention.

### Section IV. Physical Data

<b>Physical state and appearance</b>	Liquid. (Clear.)	<b>Colour</b>	Colorless.
<b>pH (1% soln/water)</b>	4.5 to 5.5	<b>Odour</b>	Odorless.
<b>pH (concentrate)</b>	6.0 -7.0	<b>Volatility</b>	Not available.
<b>Boiling point</b>	The lowest known value is 100°C (212°F) (Water).	<b>Vapour density</b>	Weighted average: 1.01 (Air = 1)
<b>Specific gravity</b>	1.01 to 1.02 (Water = 1)	<b>Vapour pressure</b>	Not applicable.
<b>Solubility</b>	Easily soluble in water		

### Section V. Fire and Explosion Data

**The product is** Non-flammable.  
**Auto-ignition temperature** Not applicable.  
**Flash points** Not applicable.  
**Degradation products** Carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...)  
**Extinguishing media** Use dry chemical or CO2.

### Section VI. Reactivity data

**Stability** The product is stable.  
**Decomp. products** Not available  
**Reactivity** No incompatible product according to our database.

### Section VII. Toxicological properties

**Route of entry** Eye contact. Ingestion.  
**Toxicity for animals** Not available.  
**Acute effects** May be irritating to eyes .  
**Chronic effects** No ingredient in this product is currently listed as carcinogens by IARC, NTP or OSHA.

### Section VIII. Preventive measure

**Waste disposal** Dispose of material according to regional, provincial and federal regulations. Consult your local or regional authorities.  
**Storage** Keep from freezing.  
**Precautions** In case of contact with eyes, rinse with plenty of water.  
**Spill and leak** Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

**Section IX. Personal protective equipment**

<b>Gloves</b>	Gloves.
<b>Respiratory</b>	Not applicable.
<b>Eyes</b>	Safety glasses.
<b>Other</b>	No special protection is required.
<b>Eng. controls</b>	No special measures required for normal use conditions.

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**Section X. Preparation and other Information**

Validated by the Regulatory Affairs Department on January 10th 2014

**EMERGENCY: CANUTEC 613-996-6666**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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**Annex A. Legend**

<b>HMIS</b>	Hazardous Materials Identification System
<b>WHMIS</b>	WHMIS Workplace Hazardous Materials Information System
<b>TDG</b>	Transport Dangerous Goods
<b>PIN</b>	Product Identification Number
<b>PG</b>	Packaging Group

---

Section I. Product Identification and Uses

**HMIS (HFRP)**  
**Health Hazard** 2  
**Fire Hazard** 0  
**Reactivity** 1  
**Personal Protection** s

**Common / Trade name** KLEEN CANADA LOW TEMP DISH DET **TDG** Class 8  
**WHMIS** D2A, E **PIN** UN1824 SODIUM HYDROXIDE, SOLUTION  
**Code** 0413 **PG** II  
**Material uses** Industrial applications: Machine dish detergent.

Section II. Hazardous Ingredients

Name	CAS #	% by weight	TLV/PEL	LC50/LD50
Sodium hydroxide	1310-73-2	10 - 30	ACGIH TLV (Canada). CEIL: 2 mg/m <sup>3</sup>	ORAL (LD50): Acute: 500 mg/kg [Rabbit].
Trisodium nitrilotriacetate monohydrate	18662-53-8	10 - 30	Not available.	ORAL (LD50): Acute: 1470 mg/kg [Rat].

Section III. First Aid Measures

**Eye contact** IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.  
**Skin contact** Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. If irritation persists, seek medical attention.  
**Inhalation** Allow to rest in a well ventilated area. If discomfort persists seek medical attention.  
**Ingestion** DO NOT induce vomiting. Have conscious person drink several glasses of water. Seek immediate medical attention. NEVER give an unconscious person anything to ingest.

Section IV. Physical Data

<b>Physical state and appearance</b>	Liquid. (Clear.)	<b>Colour</b>	Reddish
<b>pH (1% soln/water)</b>	11.5 to 12.5 [Basic.]	<b>Odour</b>	Odorless.
<b>pH (concentrate)</b>	13 - 14	<b>Volatility</b>	Not available.
<b>Boiling point</b>	The lowest known value is 100°C (212°F) (Water).	<b>Vapour density</b>	The highest known value is 1 (Air = 1) (Water).
<b>Specific gravity</b>	1.25 - 1.26 (Water = 1)	<b>Vapour pressure</b>	The highest known value is 2.3 kPa (at 20°C) (Water).
<b>Solubility</b>	Easily soluble in cold water, hot water.		

Section V. Fire and Explosion Data

**The product is** Non-flammable.  
**Auto-ignition temperature** Not applicable.  
**Flash points** Not applicable.  
**Degradation products** Carbon oxides (CO, CO<sub>2</sub>) nitrogen oxides (NO, NO<sub>2</sub>...)  
**Extinguishing media** Use DRY chemicals, CO<sub>2</sub>, water spray or foam.

Section VI. Reactivity data

**Stability** The product is stable.  
**Decomp. products** See fire degradation products.  
**Reactivity** Reactive with oxidizing materials, reducing materials, acids, alkalies, moisture and soft metals.

Section VII. Toxicological properties

**Route of entry** Eye contact. Ingestion. Skin contact.  
**Toxicity for animals** See section II  
**Acute effects** Dangerous in case of skin contact (corrosive), of ingestion, of eye contact (corrosive). Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns.  
**Chronic effects** CARCINOGENIC EFFECTS: Classified POSSIBLE, 2B (Possible for human.) by IARC [Trisodium nitrilotriacetate]. MUTAGENIC EFFECTS: Classified POSSIBLE for human [Trisodium nitrilotriacetate]. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to blood, kidneys, lungs, liver. Repeated or prolonged exposure to the substance can produce target organs damage.



**Section VIII. Preventive measure**

- Waste disposal** Dispose of material according to regional, provincial and federal regulations. Consult your local or regional authorities.
- Storage** Corrosive materials should be stored in a separate safety storage cabinet or room. Store in a dry, cool and well ventilated area.
- Precautions** Keep locked up. Keep container dry. DO NOT ingest. Do not breathe gas, fumes, vapor or spray. Avoid contact with eyes and skin. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep out of reach of children.
- Spill and leak** Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container.
- 

**Section IX. Personal protective equipment**

- Gloves** Gloves.
- Respiratory** Wear appropriate respirator when ventilation is inadequate.
- Eyes** Splash goggles.
- Other** Full suit, apron, face shield, boots: are recommended under exceptional circumstances such as fire, spill, or for prolonged contact with bulk quantities.
- Eng. controls** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
- 

**Section X. Preparation and other Information**

Validated by the Regulatory Affairs Department on 5 Apr. 2016

**EMERGENCY: CANUTEC 613-996-6666**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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**Annex A. Legend**

- HMIS** Hazardous Materials Identification System
- WHMIS** WHMIS Workplace Hazardous Materials Information System
- TDG** Transport Dangerous Goods
- PIN** Product Identification Number
- PG** Packaging Group
-

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
1926*

### **1 Identification**

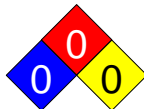
- **Product identifier**
  - Trade name: ***KLEEN CANADA Rinse Additiv Low Temperature***
  - **Article number:** 2272278001, 2272334001
  - **Recommended use** Rinse Additive
  - **Restrictions on use**  
All other uses than those indicated on the product label and technical data sheet.
- **Details of the supplier of the safety data sheet**
  - **Manufacturer:**  
Avmor LTD  
950, Michelin  
Laval, QC,  
Canada  
H7L 5C1  
1-800-387-8074  
www.avmor.com
  - **Client Identification Number** 119100
  - **Emergency telephone number:** CANUTEC 1-613-996-6666

### **2 Hazard(s) identification**

- **Classification of the product:**  
The product is not classified according to the Globally Harmonized System (GHS).

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- **Label elements**
  - **Hazard pictograms:** Not classified.
  - **Signal word:** Not classified.
  - **Hazard statements:** Not classified.
- **Classification system:**
  - **NFPA ratings (scale 0 - 4)**



Health = 0  
Fire = 0  
Reactivity = 0

- **Hazard not otherwise classified** None
- **Notes:** For the wording of the listed abbreviations refer to section 16.

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
1926*

Trade name: ***KLEEN CANADA Rinse Additiv Low Temperature***

(Contd. of page 1)

### **3 Composition/information on ingredients**

· **Dangerous components:**

1300-72-7	Sodium Xylenesulphonate	2.5-<3%
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### **4 First-aid measures**

- **General information:** No special measures required.
- **After inhalation:** Rarely cause discomfort; supply fresh air and consult doctor in case of complaints.
- **After skin contact:** Wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After ingestion:** If symptoms persist consult a doctor.
- **Information for doctor:**
  - **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.

### **5 Fire-fighting measures**

- **Suitable extinguishing media**
- **Suitable extinguishing media**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Specific hazards arising from the product**  
In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (CO<sub>x</sub>) and nitrogen dioxide (NO<sub>x</sub>).
- **Advice for firefighters**
  - **Special protective equipment and precautions for fire-fighters** No special measures required.
- **Additional information** This product is not flammable.

### **6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Wear recommended protective equipment(s). Keep unprotected persons away.  
Protective gloves
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

### **7 Handling and storage**

- **Handling:**
  - **Precautions for safe handling** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
  - **Requirements to be met by storerooms and receptacles:** No special requirements.
  - **Information about storage in one common storage facility:** Not required.
  - **Conditions for safe storage, including any incompatibilities** None.

(Contd. on page 3)

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
1926*

Trade name: ***KLEEN CANADA Rinse Additiv Low Temperature***

(Contd. of page 2)

- **Specific end use(s)** No further relevant information available.

### **8 Exposure controls/personal protection**

- **Appropriate engenering controls** Ensure appropriate aeration and ventilation.
- **Control parameters**
  - **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
    - **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
  - **Personal protective equipment:**
    - **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.
    - **Breathing equipment:** Not required.
    - **Protection of hands:** Not required.
    - **Eye protection:** Not required.
    - **Body protection:** No special measures required.

### **9 Physical and chemical properties**

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

- **Form:** Liquid
- **Colour:** Blue
- **Odour:** Odourless.
- **Odour threshold:** Not determined.

- **pH-value at 25 °C:** 6.7-8.2

- **Change in condition**

- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** 100 °C

- **Flash point:** Not determined.

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:** Not determined.

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

- **Lower:** Not determined.
- **Upper:** Not determined.

(Contd. on page 4)

**Safety Data Sheet**  
acc. to *SOR/2015-17* and *OSHA 29 CFR Parts 1910, 1915, 1926*

Trade name: ***KLEEN CANADA Rinse Additiv Low Temperature***

(Contd. of page 3)

· Vapour pressure at 20 °C:	23 hPa
· Density at 25 °C:	1.015-1.025 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density (air=1)	<1 (aqueous solution)
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
· Water:	Fully miscible
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
· Dynamic:	Not determined.
· Solvent content:	
· Organic solvents:	0.1 %

### 10 Stability and reactivity

- **Reactivity** Not determined.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Avoid freezing and extreme heat conditions.
- **Incompatible materials:** This product may react with strong oxidizing agents.
- **Hazardous decomposition products:**  
In case of decomposition: carbon monoxide and carbon dioxide and traces of volatile halogenated compounds.

### 11 Toxicological information

- **Information on the likely routes of exposure** Skin and eyes contact
- **Acute toxicity:**
  - **Numerical measures of toxicity**

· Components Mean of exposure	Type	Value (Species)
<b>ATE (Acute Toxicity Estimates)</b>		
Dermal	LD50	73828 mg/kg (Rabbit)
Inhalative	LC50 (4 h)	237 mg/L (Rat)
<b>1300-72-7 Sodium Xylenesulphonate</b>		
Oral	LD50	>7000 mg/kg (Rat) (OECD Guideline 401)
Dermal	LD50	>2000 mg/kg (Rabbit) (OECD Guideline 402)
Inhalative	LC50 (4 h)	>6.41 mg/L (Rat) (Nebulization (mist))
Irritation of skin	OECD guideline 404	Cat. 3 (Rabbit)
Irritation of eyes	OECD, guideline 405	Cat. 2B (Rabbit)

(Contd. on page 5)

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915, 1926*

Trade name: ***KLEEN CANADA Rinse Additiv Low Temperature***

(Contd. of page 4)

Sensitization	OECD guideline 429	Not Classified. (guinea pig)
	Carcerogenicity (OECD 453)	>727 mg/ kg (Mouse) (Not Classified.)

· **Symptomes related to the physical, chemical and toxicological characteristics**

· **by inhalation:**

Vapours may cause irritation to the airways. Inhalation of larger amounts may induce discomfort, nausea, dizziness, headache, narcosis, and unconsciousness.

· **If on the skin:** May cause irritation by prolonged contact with skin.

· **If on the eye:** No irritating effect.

· **after ingestion:** May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.

· **Sensitization:** No sensitizing effects known.

· **Delayed and immediate effects, and chronic effects from short-term and long-term exposure**

Prolonged or frequent contact can cause eczema and inflammation of the skins as a results of degreasing.

· **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

50-00-0	formaldehyde	1
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· **NTP (National Toxicology Program)**

50-00-0	formaldehyde	K
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**12 Ecological information**

· **Toxicity**

· **Aquatic toxicity:**

**1300-72-7 Sodium Xylenesulphonate**

EC50 (48 h) >1000 mg/L (daphnia magna [water flea]) (EPA OTS 797.1300)

EC50 (96 h) >230 mg/L (Pseudokirchnerella Subcapitata)

LC50 (96 h) >1000 mg/L (oncorhynchus mykiss [rainbow trout]) (EPA OTS 797.1400)

· **Persistence and degradability** No relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Ecotoxicity** No relevant information available

· **General notes:**

Germany: Water hazard class 3 (Self-assessment): extremely hazardous for water.

Germany: Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Germany: Danger to drinking water if even extremely small quantities leak into the ground.

CA

(Contd. on page 6)

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
 1926*

Trade name: ***KLEEN CANADA Rinse Additiv Low Temperature***

(Contd. of page 5)

**13 Disposal considerations**

- **Waste treatment methods**
  - **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water.

**14 Transport information**

· DOT, ADN, IMDG, IATA	Not regulated.
· UN proper shipping name · DOT	Not regulated.
· Transport hazard class(es) · Class	Not regulated.
· Packing group · DOT	Not regulated.
· Environmental hazards: · Marine pollutant:	No
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

**15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· <b>Chemicals known to cause cancer:</b>		
50-00-0	formaldehyde	
· <b>Chemicals known to cause reproductive toxicity for females:</b>		
None of the ingredients is listed.		
· <b>Chemicals known to cause reproductive toxicity for males:</b>		
None of the ingredients is listed.		
· <b>Chemicals known to cause developmental toxicity:</b>		
67-56-1	Methanol	
· <b>EPA (Environmental Protection Agency)</b>		
50-00-0	formaldehyde	B1
· <b>TLV (Threshold Limit Value established by ACGIH)</b>		
50-00-0	formaldehyde	A2
· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>		
50-00-0	formaldehyde	

CA

(Contd. on page 7)

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
1926*

Trade name: ***KLEEN CANADA Rinse Additiv Low Temperature***

(Contd. of page 6)

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of creation/last revision:** 09/25/2015

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

CA



**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
1926*

## **1 Identification**

· **Product identifier**

· Trade name: ***KLEEN CANADA Sanitizer Low Temperature***

· **Article number:** 2200278001, 2200334001

· **Recommended use** Sanitizer

· **Restrictions on use**

All other uses than those indicated on the product label and technical data sheet.

· **Details of the supplier of the safety data sheet**

· **Manufacturer:**

KLEEN CANADA (by Avmor)

950, Michelin

Laval, QC,

Canada

H7L 5C1

1-800-559-9622

www.KLEENCANADA.com

· **Client Identification Number** 119100

· **Emergency telephone number:** CANUTEC 1-613-996-6666

## **2 Hazard(s) identification**

· **Classification of the product:**



GHS05

Skin Corr. 1B H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

Eye Dam. 1 H318 CAUSES SERIOUS EYE DAMAGE.

---

· **Label elements**

· **Hazard pictograms:**



GHS05

· **Signal word:** Danger

· **Hazard statements:**

H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

· **Precautionary statements**

P260 Do not breathe dust, fume, gas, mist, vapors or spray.

P280 Wear protective gloves and eye or face protection.

P264 Wash thoroughly after handling.

P303+P361+P353 IF ON SKIN OR HAIR: Remove or take off immediately all contaminated clothing. Rinse skin with water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P310 Immediately call a POISON CENTER or a doctor.

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

(Contd. on page 2)

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
1926*

Trade name: ***KLEEN CANADA Sanitizer Low Temperature***

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P501 Dispose of contents and container in accordance with local, regional and national regulations.

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 3  
Fire = 0  
Reactivity = 0

- **Hazard not otherwise classified** None
- **Notes:** For the wording of the listed abbreviations refer to section 16.

### **3 Composition/information on ingredients**

- **Dangerous components:**

CAS Component (% w/w)

7681-52-9	Sodium Hypochlorite	Met. Corr.1, H290; Skin Corr. 1B, H314	10-<20%
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### **4 First-aid measures**

- **General information:**  
Immediately remove any clothing soiled by the product. Wash contaminated clothing before reuse.
- **After inhalation:**  
In case of unconsciousness place patient stably in side position for transportation. Get medical attention.
- **After skin contact:**  
Remove immediately all contaminated clothing. Rinse skin with water or shower for at least 15 minutes. Consult a doctor if skin redness and irritation persist.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do so. Continue rinsing for a minimum of 15 to 60 minutes. Then consult a doctor.
- **After ingestion:**  
Drink copious amounts of water and provide fresh air. Immediately call a doctor. Do not induce vomiting.
- **Information for doctor:**
  - **Most important symptoms and effects, both acute and delayed**  
Contact can cause pain, redness, burns, and even blistering. Burns may not be immediately painful; onset of pain may be delayed minutes to hours. Permanent damage including blindness can result after prolonged contact with eyes.

### **5 Fire-fighting measures**

- **Suitable extinguishing media**
  - **Suitable extinguishing media** Use fire fighting measures that suit the environment.
- **Specific hazards arising from the product**  
In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (COx) and nitrogen dioxide (NOx).
- **Advice for firefighters**
  - **Special protective equipment and precautions for fire-fighters**  
Mouth respiratory protective device.

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Trade name: ***KLEEN CANADA Sanitizer Low Temperature***

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- **Additional information** This product is not flammable.

## **6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Mount respiratory protective device.  
Wear recommended protective equipment(s). Keep unprotected persons away.
- **Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralizing agent (eg. food vinegar (5% acetic acid), citric acid, sodium bicarbonate in excess)  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

## **7 Handling and storage**

- **Handling:**
  - **Precautions for safe handling**  
Ensure good ventilation at the workplace.  
Prevent formation of aerosols.
- **Conditions for safe storage, including any incompatibilities**
  - **Requirements to be met by storerooms and receptacles:** No special requirements.
  - **Information about storage in one common storage facility:** Do not store together with acids.
  - **Conditions for safe storage, including any incompatibilities**  
Keep in the original receptacle tightly sealed.  
Store under lock and key and out of the reach of children.
- **Specific end use(s)** No further relevant information available.

## **8 Exposure controls/personal protection**

- **Appropriate engineering controls** Ensure appropriate aeration and ventilation.
- **Control parameters**
  - **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
    - **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
  - **Personal protective equipment:**



Protective gloves



Safety glasses

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Trade name: ***KLEEN CANADA Sanitizer Low Temperature***

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- **General protective and hygienic measures:**  
 Avoid contact with the eyes and skin.  
 Do not breathe dust, fume, gas, mist, vapors or spray.  
 Immediately remove all soiled and contaminated clothing.  
 Wash hands before breaks and at the end of work.  
 Keep away from foodstuffs, beverages and feed.
- **Breathing equipment:** Not required.
- **Protection of hands:** Protective gloves
- **Eye protection:** Safety glasses
- **Body protection:**  
 Protective work clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### **9 Physical and chemical properties**

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

- **Form:** Liquid
- **Colour:** Yellowish
- **Odour:** Chlorine-like
- **Odour threshold:** Not determined.

· **pH-value at 25 °C:** >11.5

· **Change in condition**

- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** 100 °C

· **Flash point:** Not determined.

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

- **Lower:** Not determined.
- **Upper:** Not determined.

· **Density at 25 °C:** 1.150-1.250 g/cm<sup>3</sup>

- **Relative density** Not determined.
- **Vapour density (air=1)** <1 (aqueous solution)
- **Evaporation rate** Not determined.

· **Solubility in / Miscibility with**

· **Water:** Fully miscible

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

· **Dynamic:** Not determined.

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Trade name: ***KLEEN CANADA Sanitizer Low Temperature***

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- **Solvent content:**
- **Organic solvents:** 0.0 %

**10 Stability and reactivity**

- **Reactivity** The product is basic.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
 No decomposition if used according to specifications.
- **Possibility of hazardous reactions**  
 Contact with acids releases toxic gases.  
 Reacts with acids.
- **Conditions to avoid** Avoid freezing and extreme heat conditions.
- **Incompatible materials:** This product may react with strong oxidizing agents.
- **Hazardous decomposition products:**  
 In case of decomposition: carbon monoxide and carbon dioxide and traces of volatile halogenated compounds.

**11 Toxicological information**

- **Information on the likely routes of exposure** Skin and eyes contact
- **Acute toxicity:**
  - **Numerical measures of toxicity**

· Components Mean of exposure	Type	Value (Species)
Inhalative	LC50 (4 h)	21.7 mg/L (Rat)

**7681-52-9 Sodium Hypochlorite**

Oral	LD50	8800 mg/kg (Mouse) (For a 12.5% sol.)
	LC50	1000 mg/L (Rat)
Dermal	LD50	>20000 mg/kg (Rabbit)
Inhalative	LC50 (4 h)	>2.6 mg/L (Rat)
Irritation of skin	OECD guideline 404	Cat. 1B (Rabbit)
Irritation of eyes	OECD, guideline 405	Cat. 1 (Rabbit)

- **Symptoms related to the physical, chemical and toxicological characteristics**
  - **by inhalation:**  
 Vapours may cause irritation to the airways. Inhalation of larger amounts may induce discomfort, nausea, dizziness, headache, narcosis, and unconsciousness.
  - **If on the skin:** CORROSIVE: Strong caustic effect on skin and mucous membranes.
  - **If on the eye:**  
 CORROSIVE: Strong caustic effect.  
 Strong irritant with the danger of severe eye injury.
  - **after ingestion:**  
 May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.
  - **Sensitization:** No sensitizing effects known.
- **Delayed and immediate effects, and chronic effects from short-term and long-term exposure**  
 Prolonged or frequent contact can cause eczema and inflammation of the skins as a results of degreasing.

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· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Corrosive

Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

**12 Ecological information**

· **Toxicity**

· **Aquatic toxicity:**

**7681-52-9 Sodium Hypochlorite**

LC50 (96 h)

0.2 mg/L (oncorhynchus mykiss [rainbow trout]) (U.S. EPA, 1975)

EC50 (48 h, OECD guideline 202)

0.14 mg/L (daphnia magna [water flea])

· **Persistence and degradability** No relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Ecotoxicity** No relevant information available

· **Remark:** Toxic for fish

· **General notes:**

Do not allow product to reach ground water, water course or sewage system.

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

**13 Disposal considerations**

· **Waste treatment methods**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system unless significantly diluted or neutralized.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleansing agent:** Water.

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Trade name: ***KLEEN CANADA Sanitizer Low Temperature***

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**14 Transport information**

· DOT, IMDG, IATA	UN1791
· UN proper shipping name · DOT	Hypochlorite solutions
· Transport hazard class(es) · Class	8 Corrosive substances
· Packing group · DOT	III
· Environmental hazards:	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

**15 Regulatory information**

· Safety, health and environmental regulations/legislation specific for the substance or mixture

· Chemicals known to cause cancer:
None of the ingredients is listed.
· Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.
· Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.
· Chemicals known to cause developmental toxicity:
None of the ingredients is listed.
· EPA (Environmental Protection Agency)
None of the ingredients is listed.
· TLV (Threshold Limit Value established by ACGIH)
None of the ingredients is listed.
· NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Date of creation/last revision: 07/09/2015

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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1926*

Trade name: ***KLEEN CANADA Sanitizer Low Temperature***

Met. Corr. 1: Corrosive to metals, Hazard Category 1  
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B  
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

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CA



**SAFETY DATA SHEET**  
**According to 29 CFR 1910.1200 (HCS)**  
**MERRYCHEF OVEN PROTECTOR**

**Page: 1**  
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**Revision No: 1**

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1 Product Identifier**

Product Name: Merrychef Oven Protector  
Product Code: 411

**1.2 Relevant Identified uses of the substance or mixture and uses advised against**

Use of substance/mixture: PC35: Washing and cleaning products (including solvent based products)

**1.3 Details of the supplier of the safety data sheet**

Company Name: Merrychef USA, 18301 St. Clair Avenue,  
Cleveland, OH 44110  
Tel: (888) 417-5462  
E-mail: info@merrychefusa.com

**1.4 Emergency telephone number**

Emergency tel:

**2. HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

Classification: Eye irrit. 2: H319; Skin Irrit. 2: H315  
Most important adverse effects: Causes skin irritation. Causes serious eye irritation.  
Hazard statements: H315: causes skin irritation.  
H319: Causes serious eye irritation.  
Signal words: Warning  
Hazard Pictograms: GHS07: Exclamation mark



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Precautionary statements: P264: Wash hands thoroughly after handling.  
P260: Do not breathe spray.  
P280: Wear eye protection.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+313: If eye irritation persists: Get medical attention.  
P303: IF ON SKIN (or hair):  
P353: Rinse skin with water  
P362: Take off contaminated clothing and wash before reuse.  
P332+313: If skin irritation occurs: Get medical advice.  
P102: Keep out of reach of children.  
P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P312: Call a POISON CENTER or doctor if you feel unwell.

## 2.2 Other Hazards

PBT: This product is not identified as a PBT substance.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Other Hazards

#### Non-hazardous ingredients:

Chemical Name	CAS-No.	CLP Classification	Percent
Tetrapotassium Pyrophosphate	7320-34-5	Eye Irrit. 2: H319	0.099%
Fatty Acids, Castor Oil, Potassium Salts	8013-05-6	Eye Irrit. 2: H319; Skin Irrit, 2: H315	13.1%
Hydroxyethylcellulose	9004-62-0	-	0.3%

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.  
Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Ingestion: Do not induce vomiting. Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.  
Inhalation: Remove casualty from exposure ensuring one's safety whilst doing so. Transfer to hospital as soon as possible.

### 4.2 Most important symptoms and effects, both acute and delayed

Skin contact:	There may be mild irritation at the site of contact
Eye contact:	There may be irritation and redness.
Ingestion:	No symptoms.
Inhalation:	No symptoms.

Cont...

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**4.3 Indication of any immediate medical attention and special treatment needed**

Immediate/special treatment:	Not applicable.
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**5. FIRE-FIGHTING MEASURES**

**5.1 Extinguishing media**

Extinguishing media: Water.

**5.2 Special hazards arising from the substance or mixture**

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

**5.3 Advice for fire-fighters**

Advice for fire-fighters: Wear self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

**6.2 Environmental precautions**

Environmental precautions: Do not discharge into drains or rivers.

**6.3 Methods and materials for containment and cleaning up**

Clean-up procedures: Transfer to a suitable container. Vacuum up the liquid using a wet vacuum cleaner.

**6.4 Reference to other sections**

Reference to other sections: Refer to section 8 of SDS.

**7. HANDLING AND STORAGE**

**7.1 Precautions for safe handling.**

**7.2 Conditions for safe storage, including any incompatibilities.**

Suitable packaging: Polyethylene. Keep in the original container.

**7.3 Specific end use(s).**

Specific end uses(s): No data available.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Occupational exposure limits.**

Components	CAS	Mg/m <sup>3</sup>	PPM	Basis
Not applicable				

Cont...

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## 8.2 Exposure controls

Hand protection: Rubber gloves.  
Eye protection: Safety glasses

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

State:	Liquid	
Colour:	Pale brown	
Odour:	Characteristic odour	
Evaporation rate:	Moderate	
Oxidising:	Non-oxidising (by EC criteria)	
Solubility in water:	Soluble	
Viscosity:	Viscous	
Boiling point/range °C:	100	Melting point/range °C: 0
Flammability limits %: lower:	Not applicable.	Upper: Not applicable.
Flash point °C	>93	Part.coeff. n-octanol/water: Not applicable.
Autoflammability °C	Not applicable.	Vapour pressure: Not applicable.
Relative density:	1.014	pH: 11.4
VOC g/l:	0	

### 9.2 Other information

Other information: No data available.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Reactivity: Stable under recommended transport or storage conditions.

### 10.2 Chemical stability

Chemical stability: Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4 Conditions to avoid

### 10.5 Incompatible materials

### 10.6 Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects.

Acute oral toxicity: 261,000mg/kg estimated (oral rat.)  
Acute inhalation toxicity: No data available  
Acute dermal toxicity: No data available

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**Symptoms / routes of exposure**

Skin contact: There may be mild irritation at the site of contact.  
Eye contact: There may be irritation and redness.  
Ingestion: No symptoms.  
Inhalation: No symptoms.

**12. ECOLOGICAL INFORMATION**

**12.1 Toxicity.**

Ecotoxicity values: No data available.

**12.2 Persistence and degradability.**

Persistence and degradability: Biodegradable.

**12.3 Bio accumulative potential.**

Bio accumulative potential: No bio accumulation potential.

**12.4 Mobility in soil.**

Mobility: Soluble in water.

**12.5 Results of PBT and vPvB assessment.**

PBT identification: This product is not identified as a PBT substance.

**12.6 Other adverse effects.**

**13. DISPOSAL CONSIDERATIONS**

**13.1 Disposal of packaging.**

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION**

**14.1 Transport Class.**

Transport class: This product does not require classification for transport.

**15. REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.**

**15.2 Chemical Safety Assessment**

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**16. OTHER INFORMATION**

**16.1 Other information.**

Phrases used in s.2 and 3: H315: causes skin irritation.  
H316: causes serious eye irritation.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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NFPA rating:	Health	Flammability	Reactivity
	1	0	0

HMIS rating:	Health	Flammability	Reactivity
	1	0	0

**SAFETY DATA SHEET**  
**According to 29 CFR 1910.1200 (HCS)**  
**MERRYCHEF OVEN CLEANER**

**Page: 1**  
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**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1 Product Identifier**

Product Name: Merrychef Oven Cleaner  
Product Code: 420US

**1.2 Relevant Identified uses of the substance or mixture and uses advised against**

Use of substance/mixture: PC35: Washing and cleaning products (including solvent based products)

**1.3 Details of the supplier of the safety data sheet**

Company Name: Merrychef USA, 18301 St. Clair Avenue,  
Cleveland, OH 44110  
Tel: (888) 417-5462  
E-mail: info@merrychefusa.com

**1.4 Emergency telephone number**

Emergency tel:

**2. HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

Classification: Eye Dam. 1: H318; Skin Irrit. 2: H315  
Most important adverse effects: Causes skin irritation. Causes serious eye damage.  
Hazard statements: H315: Causes skin irritation.  
H318: Causes serious eye damage.  
Signal words: Danger  
Hazard Pictograms: GHS05: Corrosion.



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Precautionary statements: P102: Keep out of reach of children.  
P260: Do not breathe spray.  
P280: Wear protective gloves.  
P282: Wear eye protection.  
P302+352: IF ON SKIN: Wash with plenty of soap and water.  
P332+313: If skin irritation occurs: Get medical advice.  
P264: Wash hands after handling.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+313: If eye irritation persists: Get medical advice/attention.  
P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P310: Immediately call a POISON CENTRE or doctor.  
P362: Take off contaminated clothing and wash before reuse.

**2.2 Other Hazards**

PBT: This product is not identified as a PBT substance.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2 Other Hazards**

**Hazardous ingredients:**

Chemical Name	CAS-No.	CLP Classification	Percent
ISOTRIDECANOETHOXYLATE,POLYMER (8 MOLE EO AVERAGE)	69011-36-5	Acute Tox. 4: H302; Eye Dam. 1: H318	4.9%
3-BUTOXYPROPAN-2-OL	5131-66-8	Eye Irrit. 2: H319; Skin Irrit. 2: H315	2.9%
2-(2-BUTOXYETHOXY)ETHANOL	112-34-5	Eye Irrit. 2: H319	2.4%
2-AMINOETHANOL	141-43-5	Eye Irrit. 2: H319	1.9%
QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C8-18- ALKYLDIMETHYL, CHLORIDES	63449-41-2	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400	0.99%
ALCOHOLS, C12-C14, ETHOXYLATED	68439-50-9	Aquatic Acute 1: H400; Eye Dam. 1: H318	0.2%

**Non-hazardous ingredients:**

Chemical Name	CAS-No.	CLP Classification	Percent
C9/11 A, >3-6 EO PREDOMINANTLY LINEAR (DID21)	160875-66- 1	Eye Dam. 1: H318	0.4%
CITRIC ACID ANHYDROUS POWDER	77-92-9	Eye Irrit. 2: H319	0.1%



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**4. FIRST AID MEASURES**

**4.1 Description of first aid measures**

- Skin contact: Wash immediately with plenty of soap and water.
- Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Ingestion: Do not induce vomiting. Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.
- Inhalation: Remove casualty from exposure ensuring one's safety whilst doing so. If conscious, ensure the casualty sits or lies down.

**4.2 Most important symptoms and effects, both acute and delayed**

Skin contact:	There may be mild irritation at the site of contact
Eye contact:	There may be irritation and pain.
Ingestion:	There may be soreness and redness of the mouth and throat.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest.
Delayed / immediate effects:	Immediate effects can be expected after short-term exposure.

**4.3 Indication of any immediate medical attention and special treatment needed**

As indicated in 4.1 above.

**5. FIRE-FIGHTING MEASURES**

**5.1 Extinguishing media**

Extinguishing media: Water.

**5.2 Special hazards arising from the substance or mixture**

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

**5.3 Advice for fire-fighters**

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with the skin and eyes.

**6. ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

**6.2 Environmental precautions**

Environmental precautions: Do not discharge into drains or rivers.

**6.3 Methods and materials for containment and cleaning up**

Cont...

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Clean-up procedures: Transfer to a suitable container. Vacuum up with a wet vacuum machine or mop with an absorbent mop and a collection bucket with wringer.

#### 6.4 Reference to other sections

### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling.

Handling requirements: Do not breathe spray.  
Ensure there is sufficient ventilation of the area.

#### 7.2 Conditions for safe storage, including any incompatibilities.

Suitable packaging: Polyethylene. Keep in the original container.

#### 7.3 Specific end use(s).

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Occupational exposure limits.

Components	CAS	Mg/m <sup>3</sup>	PPM	Basis
3-BUTOXYPROPAN-2-OL	5131-66-8	-	50ppm	TLV none established DOW industrial hygiene guideline
2-(2-BUTOXYETHOXY)ETHANOL	112-34-5		10ppm	TLV non established EUOEL; 8hour TWA
2-AMINOETHANOL	141-43-5		3ppm	OSHA, PEL TWA

#### 8.2 Exposure controls

Hand protection: Gloves (alkali-resistant).  
Eye protection: Safety glasses with side-shields.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

State: Liquid  
Colour: Colourless  
Odour: Characteristic odour  
Evaporation rate: Moderate  
Oxidising: Non-oxidising (by EC criteria)  
Solubility in water: Soluble  
Viscosity: Non-viscous  
Boiling point/range °C: 100  
Melting point/range °C: 0  
Flammability limits %: lower: Not applicable. Upper: Not applicable.  
Flash point °C: Not applicable Part.coeff. n-octanol/water: Not applicable.  
Autoflammability °C: Not applicable. Vapour pressure: Not applicable.  
Relative density: 1.009 pH: 11.4  
VOC g/l: 55

Cont...

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**9.2 Other information**

Other information: No data available.

**10. STABILITY AND REACTIVITY**

**10.1 Reactivity**

Reactivity: Stable under recommended transport or storage conditions.

**10.2 Chemical stability**

Chemical stability: Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

**10.4 Conditions to avoid**

**10.5 Incompatible materials**

**10.6 Hazardous decomposition products**

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

**11. TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects.**

Acute oral toxicity: 6800mg/kg estimated (oral rat.)

Acute inhalation toxicity: No data available

Acute dermal toxicity: No data available

**Hazardous Ingredients**

**ISOTRIDECANOLETHOXYLATE,POLYMER(8 MOLE EO AVERAGE)**

ORAL	RAT	LD50	500-2000	mg/kg
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**3-BUTOXYPROPAN-2-OL**

ORL	RAT	LD50	2700	mg/kg
SKN	RBT	LD50	3100	mg/kg

**2-(2-BUTOXYETHOXY)ETHANOL**

ORL	MUS	LD50	6050	mg/kg
ORL	RAT	LD50	4500	mg/kg

**2-AMINOETHANOL**

IVN	RAT	LD50	225	mg/kg
ORL	MUS	LD50	700	mg/kg
ORL	RAT	LD50	1720	mg/kg
SCU	RAT	LD50	1500	mg/kg

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**QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C8018-ALKYLDIMETHYL, CHLORIDES**

IVN	MUS	LD50	16	mg/kg
ORL	MUS	LD50	150	mg/kg

**ALCOHOLS, C12-C14, ETHOXYLATED**

ORL	RAT	LD50	>5000	mg/kg
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**Relevant effects for mixture:**

Effect	Route	Basis
Irritation	OPT	Hazardous: calculated

**Symptoms / routes of exposure**

- Skin contact: There may be mild irritation at the site of contact.
- Eye contact: There may be irritation and pain.
- Ingestion: There may be soreness and redness of the mouth and throat.
- Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

**12. ECOLOGICAL INFORMATION**

**12.1 Toxicity.**

**Hazardous Ingredients**

**ISOTRIDECANOETHOXYLATE,POLYMER(8 MOLE EO AVERAGE)**

FISH	96H LC50	1-10	mg/l
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**ALCOHOLS, C12-C14, ETHOXYLATED**

-	48H EC50	>1-<=10	mg/l
-	48H EC50	>100	mg/l
-	96H LC50	>1-<=10	mg/l
-	96H LC50	>1-<=10	mg/l

**12.2 Persistence and degradability.**

Persistence and degradability: Biodegradable.

**12.3 Bio accumulative potential.**

Bio accumulative potential: No bio accumulation potential.

**12.4 Mobility in soil.**

Mobility: Soluble in water.

**12.5 Results of PBT and vPvB assessment.**

PBT identification: This product is not identified as a PBT substance.

**12.6 Other adverse effects.**

Cont...

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**13. DISPOSAL CONSIDERATIONS**

**13.1 Disposal of packaging.**

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION**

**14.1 Transport Class.**

Transport class: This product does not require classification for transport.

**15. REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.**

**15.2 Chemical Safety Assessment**

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**16. OTHER INFORMATION**

**16.1 Other information.**

Other information: This safety data sheet is prepared in accordance with the Commission Regulation (EU) No 453/2010.

Phrases used in s.2 and 3: H302: Harmful if swallowed.  
H312: Harmful in contact with skin.  
H314: Causes severe skin burns and eye damage.  
H315: Causes skin irritation.  
H318: Causes serious eye damage.  
H319: Causes serious eye irritation.  
H332: Harmful if inhaled.  
H400: Very toxic to aquatic life.  
R36: Irritating to eyes.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

NFPA rating:	Health	Flammability	Reactivity
	1	1	0

HMIS rating:	Health	Flammability	Reactivity
	1	1	0