# Leak Lock

## SECTION 1: IDENTIFICATION

**1.1 Product identifier:** Leak Lock

**Other means of identification:**

10001, 10002, 10004, 10016, 10128, 10550

**1.2 Recommended use of the chemical and restrictions on use:**

**Application of the substance / the preparation** Pipe joint sealant, Gasket seal, Threadlocker

Uses advised against: All uses not specified in this section or in section 7.3

**1.3 Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:**

Highside Chemicals, Inc.
11114 Reichold Rd.
39503 Gulfport - Mississippi - United States
Phone: 228-896-9220, 800-359-5599

**1.4 Emergency phone number:** ChemTel Inc. (800)255-3924, +1 (813)248-0585

## SECTION 2: HAZARD(S) IDENTIFICATION

**2.1 Classification of the substance or mixture:**

**NFPA:**

Health Hazards: 0
Flammability Hazards: 3
Instability Hazards: 0

**In Accordance With: 29 CFR 1910.1200:**

Classification of this product has been carried out in accordance with paragraph (d) of § 1910.1200.
Flam. Liq. 2: Flammable liquids, Category 2, H225

**In Accordance With: CLP Regulation (EC) No 1272/2008:**

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.
Flam. Liq. 2: Flammable liquids, Category 2, H225

**In Accordance With: WHMIS 2015:**

Classification of this product has been carried out in accordance with Part 2 of Hazardous Products Regulations (SOR/2015-17)
Flam. Liq. 2: Flammable liquids, Category 2, H225

**2.2 Label elements:**

**NFPA:**


**In Accordance With: 29 CFR 1910.1200 /CLP Regulation (EC) No 1272/2008 / WHMIS 2015**

**Danger**

**Hazard statements:**

Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

**Precautionary statements:**

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P370+P378: In case of fire: Use ABC powder extinguisher to put it out.
P403+P235: Store in a well-ventilated place. Keep cool.
P501: Dispose of the contents/containers according to the local, state and federal regulations.

**Supplementary information:**

EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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## SECTION 2: HAZARD(S) IDENTIFICATION (continued)

**2.3 Hazards not otherwise classified (HHNOC - PHNOC):**

**In Accordance With: 29 CFR 1910.1200 / WHMIS 2015**

Not applicable (N/A)

**In Accordance With: COMMISSION REGULATION (EU) 2020/878**

Product fails to meet PBT/vPvB criteria

Endocrine-disrupting properties: The product fails to meet the criteria.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substances:**

Non-applicable

**3.2 Mixtures:**

**In Accordance With: 29 CFR 1910.1200**

**Chemical description:** Mixture composed of chemical products

**Components:**

Remaining components are non-hazardous and/or present at amounts below reportable limits. The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.Therefore, in accordance with Appendix D to § 1910.1200, the product contains:

| Identification | Chemical name/Classification | Concentration |
|---|---|---|
| CAS: 67-63-0 | **propan-2-ol**<br>Eye Irrit. 2A: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Danger | **2.5 - <10 %** |
| CAS: 14808-60-7 | **Quartz (1 %< RCS < 10%)**<br>Carc. 1B: H350; STOT RE 2: H373 - Danger | **<1 %** |

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

**In Accordance With: COMMISSION REGULATION (EU) 2020/878**

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

| Identification | | Chemical name/Classification | Concentration |
|---|---|---|---|
| CAS: 67-63-0<br>EC: 200-661-7<br>Index: 603-117-00-0<br>REACH: 01-2119457558-25-XXXX | **propan-2-ol[1]** | ATP CLP00 | **2.5 - <10 %** |
| | Regulation 1272/2008 | Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Danger | |
| CAS: 14808-60-7<br>EC: 238-878-4<br>Index: Non-applicable<br>REACH: Non-applicable | **Quartz (1 %< RCS < 10%)[2]** | Self-classified | **<1 %** |
| | Regulation 1272/2008 | STOT RE 2: H373 - Warning | |
| CAS: 109-86-4<br>EC: 203-713-7<br>Index: 603-011-00-4<br>REACH: 01-2119494721-33-XXXX | **2-methoxyethanol[2]** | ATP CLP00 | **<1 %** |
| | Regulation 1272/2008 | Acute Tox. 4: H302+H312+H332; Flam. Liq. 3: H226; Repr. 1B: H360FD - Danger | |

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
[2] Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

**In Accordance With: WHMIS 2015**

In accordance with Schedule I of the Hazardous Products Regulations (SOR/2015-17), the product contains:

| Identification | Chemical name/Classification | Concentration |
|---|---|---|
| CAS: 67-63-0 | **propan-2-ol**<br>Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Danger | **1 - <5 %** |
| CAS: 14808-60-7 | **Quartz (1 %< RCS < 10%)**<br>Carc. 1B: H350; STOT RE 2: H373 - Danger | **<1 %** |

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

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## SECTION 4: FIRST-AID MEASURES

**4.1 Description of necessary measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

**By inhalation:**

This product is not classified as hazardous through inhalation,however, it is recommended in case of intoxication symptoms to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

**By skin contact:**

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,…), seek medical advice with this Safety Data Sheet

**By eye contact:**

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

**By ingestion/aspiration:**

In case of consumption, seek immediate medical assistance showing the SDS of this product. Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

**4.2 Most important symptoms/effects, acute and delayed:**

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Indication of immediate medical attention and special treatment needed, if necessary:**

Not applicable (N/A)

## SECTION 5: FIRE-FIGHTING MEASURES

**5.1 Suitable (and unsuitable) extinguishing media:**

**Suitable extinguishing media:**

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers ($CO_2$).

**Unsuitable extinguishing media:**

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

**5.2 Specific hazards arising from the chemical:**

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

**5.3 Special protective equipment and precautions for fire-fighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

**Additional provisions:**

**In Accordance With: 29 CFR 1910.1200**

As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Only properly trained personnel should be involved in firefighting. Evacuate nonessential personnel from the fire area. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

**In Accordance With: COMMISSION REGULATION (EU) 2020/878 / WHMIS 2015**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

**For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

**For emergency responders:**

Wear protective equipment. Keep unprotected persons away. See section 8.

**6.2 Environmental precautions:**

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

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

**In Accordance With: 29 CFR 1910.1200**

For accidental releases in excess of reportables quantities (RQ) (Table 302.4), refer to 40 CFR 302 for detailed instructions concerning reporting requirements and notify the National Response Center (800) 424-8802.

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

**In Accordance With: COMMISSION REGULATION (EU) 2020/878 / WHMIS 2015**

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

**6.4 Reference to other sections:**

See sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

**7.1 Precautions for safe handling:**

A.- General precautions for safe use

Comply with the current legislation and/or standards of 29 CFR 1910 Occupational Safety and Health Standards. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Because the product is a flammable liquid, storage should meet the requirement of 29 CFR 1910.106, Flammable and Combustible Liquids Code.

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,…) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems (COMMISSION REGULATION (EU) 2020/878 as defined in Directive 2014/34/EC (ATEX 100)) and with the minimum requirements for protecting the security and health of workers (COMMISSION REGULATION (EU) 2020/87 under the selection criteria of Directive 1999/92/EC (ATEX 137)). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

**7.2 Conditions for safe storage, including any incompatibilities: In Accordance With: 29 CFR 1910.1200**

A.- Technical measures for storage

| | |
|---|---|
| Minimum Temp.: | 41 ºF |
| Maximum Temp.: | 86 ºF |
| Maximum time: | 6 Months |

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

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## SECTION 7: HANDLING AND STORAGE (continued)

**7.2 Conditions for safe storage, including any incompatibilities:**
**In Accordance With: COMMISSION REGULATION (EU) 2020/878 / WHMIS 2015**

A.- Technical measures for storage

Minimum Temp.: 5 ºC

Maximum Temp.: 30 ºC

Maximum time: 6 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

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

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters: In Accordance With: 29 CFR 1910.1200**

Substances whose occupational exposure limits have to be monitored in the workplace:

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000):

| Identification | Occupational exposure limits | | |
|---|---|---|---|
| propan-2-ol | 8-hour TWA PEL | 400 ppm | 980 mg/m³ |
| CAS: 67-63-0 | Ceiling Values - TWA PEL | | |

US. ACGIH Threshold Limit Values (2022):

| Identification | Occupational exposure limits | | |
|---|---|---|---|
| propan-2-ol | TLV-TWA | 200 ppm | |
| CAS: 67-63-0 | TLV-STEL | 400 ppm | |
| Quartz (1 %< RCS < 10%) | TLV-TWA | | 0.025 mg/m³ |
| CAS: 14808-60-7 | TLV-STEL | | |

CALIFORNIA- TABLE AC-1 PERMISSIBLE EXPOSURE LIMITS FOR CHEMICAL CONTAMINANTS:

| Identification | Occupational exposure limits | | |
|---|---|---|---|
| propan-2-ol | PEL | 400 ppm | 980 mg/m³ |
| CAS: 67-63-0 | STEL | 500 ppm | 1225 mg/m³ |
| Quartz (1 %< RCS < 10%) | PEL | | 0.05 mg/m³ |
| CAS: 14808-60-7 | STEL | | |

**Biological limit values:**

Biological Exposure Indices (BEIs®) - ACGIH

| Identification | BEIs® | Determinant | Sampling Time |
|---|---|---|---|
| propan-2-ol<br>CAS: 67-63-0 | 40 mg/L | Acetone in urine | End of shift at end of workweek |

**Control parameters: In Accordance With: WHMIS 2015**

| Identification | Occupational exposure limits | | |
|---|---|---|---|
| propan-2-ol | TLV-TWA | 200 ppm | |
| CAS: 67-63-0 | TLV-STEL | 400 ppm | |
| Quartz (1 %< RCS < 10%) | TLV-TWA | | 0.025 mg/m³ |
| CAS: 14808-60-7 | TLV-STEL | | |

ALBERTA - Occupational Health and Safety Code:

| Identification | Occupational exposure limits | | |
|---|---|---|---|
| propan-2-ol | 8-hour | 200 ppm | 492 mg/m³ |
| CAS: 67-63-0 | 15-minute | 400 ppm | 984 mg/m³ |
| Quartz (1 %< RCS < 10%) | 8-hour | | 0.025 mg/m³ |
| CAS: 14808-60-7 | 15-minute | | |

ONTARIO R.R.O. 1990, REGULATION 833 (Last amendment: 449/19)- CONTROL OF EXPOSURE TO BIOLOGICAL OR CHEMICAL AGENTS:

| Identification | Occupational exposure limits | | |
|---|---|---|---|
| Quartz (1 %< RCS < 10%) | TWA | | 0.1 mg/m³ |
| CAS: 14808-60-7 | STEL | | |

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

**Control parameters: In Accordance With: COMMISSION REGULATION (EU) 2020/878**

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):
Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

| Identification | Occupational exposure limits | | |
|---|---|---|---|
| Quartz (1 %< RCS < 10%) | IOELV (8h) | | 0,1 mg/m³ |
| CAS: 14808-60-7 EC: 238-878-4 | IOELV (STEL) | | |
| 2-methoxyethanol | IOELV (8h) | 1 ppm | |
| CAS: 109-86-4 | IOELV (STEL) | | |

**DNEL (Workers):**

| Identification | | Short exposure | | Long exposure | |
|---|---|---|---|---|---|
| | | Systemic | Local | Systemic | Local |
| propan-2-ol | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 67-63-0 | Dermal | Non-applicable | Non-applicable | 888 mg/kg | Non-applicable |
| EC: 200-661-7 | Inhalation | Non-applicable | Non-applicable | 500 mg/m³ | Non-applicable |
| 2-methoxyethanol | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 109-86-4 | Dermal | Non-applicable | Non-applicable | 0,22 mg/kg | Non-applicable |
| EC: 203-713-7 | Inhalation | Non-applicable | Non-applicable | 0,31 mg/m³ | Non-applicable |

**DNEL (General population):**

| Identification | | Short exposure | | Long exposure | |
|---|---|---|---|---|---|
| | | Systemic | Local | Systemic | Local |
| propan-2-ol | Oral | Non-applicable | Non-applicable | 26 mg/kg | Non-applicable |
| CAS: 67-63-0 | Dermal | Non-applicable | Non-applicable | 319 mg/kg | Non-applicable |
| EC: 200-661-7 | Inhalation | Non-applicable | Non-applicable | 89 mg/m³ | Non-applicable |
| 2-methoxyethanol | Oral | Non-applicable | Non-applicable | 0,11 mg/kg | Non-applicable |
| CAS: 109-86-4 | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| EC: 203-713-7 | Inhalation | Non-applicable | Non-applicable | Non-applicable | Non-applicable |

**PNEC:**

| Identification | | | | |
|---|---|---|---|---|
| propan-2-ol | STP | 2251 mg/L | Fresh water | 140,9 mg/L |
| CAS: 67-63-0 | Soil | 28 mg/kg | Marine water | 140,9 mg/L |
| EC: 200-661-7 | Intermittent | 140,9 mg/L | Sediment (Fresh water) | 552 mg/kg |
| | Oral | 0,16 g/kg | Sediment (Marine water) | 552 mg/kg |
| 2-methoxyethanol | STP | 1000 mg/L | Fresh water | 10 mg/L |
| CAS: 109-86-4 | Soil | 1,87 mg/kg | Marine water | 1 mg/L |
| EC: 203-713-7 | Intermittent | 94 mg/L | Sediment (Fresh water) | 36,8 mg/kg |
| | Oral | 0,0073 g/kg | Sediment (Marine water) | 3,68 mg/kg |

### 8.2 Appropriate engineering controls / Exposure Controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protection Equipment (where applicable with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425). For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation, the information on clothing performance must be combined with professional judgment, and a clear understanding of the clothing application, to provide the best protection to the worker. All chemical protective clothing use must be based on a hazard assessment to determine the risks for exposure to chemicals and other hazards. Conduct hazard assessments in accordance with 29 CFR 1910.132.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

C.- Specific protection for the hands **In Accordance With: 29 CFR 1910.1200 / WHMIS 2015**

| Pictogram | PPE | Remarks |
|---|---|---|
|  Mandatory hand protection | Chemical protective gloves (Material: Linear low -density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm) | The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin. Use gloves in accordance with manufacturer´s use limitations and OSHA standard 1910.138 (29CFR) |

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

**In Accordance With: COMMISSION REGULATION (EU) 2020/878**

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory hand protection | Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm) | CE CAT III | EN ISO 21420:2020 | Replace the gloves at any sign of deterioration. |

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection **In Accordance With: 29 CFR 1910.1200 / WHMIS 2015**

| Pictogram | PPE | Remarks |
|---|---|---|
|  Mandatory face protection | Panoramic glasses against splash/projections. | Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing. Use this PPE in accordance with manufacturer´s use limitations and OSHA standard 1910.133 (29CFR) |

**In Accordance With: COMMISSION REGULATION (EU) 2020/878**

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory face protection | Panoramic glasses against splash/projections. | CE CAT II | EN 166:2002<br>EN ISO 4007:2018 | Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing. |

E.- Bodily protection **In Accordance With: 29 CFR 1910.1200 / WHMIS 2015**

| Pictogram | PPE | Remarks |
|---|---|---|
|  Mandatory complete body protection | Antistatic and fireproof protective clothing | Limited protection against flames. |
|  Mandatory foot protection | Safety footwear with antistatic and heat resistant properties | Replace boots at any sign of deterioration. Use foot protection in accordance with manufacturer´s use limitations and OSHA standard 1910.136 (29CFR) |

**In Accordance With: COMMISSION REGULATION (EU) 2020/878**

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory complete body protection | Antistatic and fireproof protective clothing | CE CAT III | EN 1149-1:2006<br>EN 1149-2:1997<br>EN 1149-3:2004<br>EN 168:2002<br>EN ISO 14116:2015<br>EN 1149-5:2018 | Limited protection against flames. |
|  Mandatory foot protection | Safety footwear with antistatic and heat resistant properties | CE CAT III | EN ISO 13287:2020<br>EN ISO 20345:2011 | Replace boots at any sign of deterioration. |

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

F.- Additional emergency measures

| Emergency measure | Standards | Emergency measure | Standards |
|---|---|---|---|
|  Emergency shower | ANSI Z358-1<br>ISO 3864-1:2011, ISO 3864-4:2011 |  Eyewash stations | DIN 12 899<br>ISO 3864-1:2011, ISO 3864-4:2011 |

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

**40 CFR Part 59 (VOC):**

V.O.C.(weight-percent): 30.3 % weight

V.O.C. at 68 ºF: 340.8 kg/m³ (340.8 g/L)

**California Air Resources Board (CARB) - VOC Regulatory:**

V.O.C.(weight-percent): 30.3 % weight

V.O.C. at 68 ºF: 340.8 kg/m³ (340.8 g/L)

**South Coast Air Quality Management District (AQMD) - VOC Regulatory:**

V.O.C.(weight-percent): 30.3 % weight

V.O.C. at 68 ºF: 340.8 kg/m³ (340.8 g/L)

**Ozone Transport Commission (OTC) Rules - VOC Regulatory:**

V.O.C.(weight-percent): 30.3 % weight

V.O.C. at 68 ºF: 340.8 kg/m³ (340.8 g/L)

**Volatile organic compounds (VOC) according to Canadian Environmental Protection Act, 1999:**

Volatile organic compounds: 30.3 % weight

V.O.C. density at 20 ºC: 340.8 kg/m³ (340.8 g/L)

**Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply): 27,8 % weight

V.O.C. density at 20 ºC: 340,8 kg/m³ (340,8 g/L)

Average carbon number: 2,1

Average molecular weight: 47,47 g/mol

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

For complete information see the product datasheet.

**Appearance:**

| | |
|---|---|
| Physical state at 68 ºF / 20 ºC | Liquid |
| Appearance: | Not available |
| Color: | Not available |
| Odor: | Not available |
| Odour threshold: | Not applicable (N/A) * |

*Not relevant due to the nature of the product, not providing information property of its hazards.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

**Volatility:**

| | |
|---|---|
| Boiling point at atmospheric pressure: | 186 ºF / 86 ºC |
| Vapour pressure at 68 ºF / 20 ºC | 6067 Pa |
| Vapour pressure at 122 ºF / 50 ºC | 28534.7 Pa (28.53 kPa) |
| Evaporation rate at 68 ºF / 20 ºC | Not applicable (N/A) * |

**Product description:**

| | |
|---|---|
| Density at 68 ºF / 20 ºC | 1256.9 kg/m³ |
| Relative density at 68 ºF / 20 ºC | 1.257 |
| Dynamic viscosity at 68 ºF / 20 ºC | Not applicable (N/A) * |
| Kinematic viscosity at 68 ºF / 20 ºC | Not applicable (N/A) * |
| Kinematic viscosity at 104 ºF / 40 ºC | Not applicable (N/A) * |
| Concentration: | Not applicable (N/A) * |
| pH: | Not applicable (N/A) * |
| Vapour density at 68 ºF / 20 ºC: | Not applicable (N/A) * |
| Partition coefficient n-octanol/water 68 ºF / 20 ºC | Not applicable (N/A) * |
| Solubility in water at 68 ºF / 20 ºC: | Not applicable (N/A) * |
| Solubility properties: | Not applicable (N/A) * |
| Decomposition temperature: | Not applicable (N/A) * |
| Melting point/freezing point: | Not applicable (N/A) * |

**Flammability:**

| | |
|---|---|
| Flash Point: | 55 ºF / 13 ºC |
| Flammability (solid, gas): | Not applicable (N/A) * |
| Autoignition temperature: | 365 ºF / 185 ºC |
| Lower flammability limit: | Not available |
| Upper flammability limit: | Not available |

**Particle characteristics:**

| | |
|---|---|
| Median equivalent diameter: | Non-applicable |

**9.2 Other information:**

**Information with regard to physical hazard classes:**

| | |
|---|---|
| Explosive properties: | Not applicable (N/A) * |
| Oxidising properties: | Not applicable (N/A) * |
| Corrosive to metals: | Not applicable (N/A) * |
| Heat of combustion: | Not applicable (N/A) * |
| Aerosols-total percentage (by mass) of flammable components: | Not applicable (N/A) * |

**Other safety characteristics:**

| | |
|---|---|
| Surface tension at 68 ºF / 20 ºC | Not applicable (N/A) * |
| Refraction index: | Not applicable (N/A) * |

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE

## SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

**10.2 Chemical stability:**

Chemically stable under the indicated conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight | Humidity |
|---|---|---|---|---|
| Not applicable | Not applicable | Risk of combustion | Avoid direct impact | Not applicable |

**10.5 Incompatible materials:**

| Acids | Water | Oxidising materials | Combustible materials | Others |
|---|---|---|---|---|
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable | Avoid alkalis or strong bases |

**10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide ($CO_2$), carbon monoxide and other organic compounds.

## SECTION 11: TOXICOLOGICAL INFORMATION

**11.1 Information on toxicological effects and hazard classes as defined in Regulation (EC) No 1272/2008:**

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: acetaldehyde (2B); Ethanol (1); propan-2-ol (3); Talc (3); Quartz (1 %< RCS < 10%) (1); Titanium dioxide (2B)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

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## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**Other information:**

Not applicable (N/A)

**Specific toxicology information on the substances: In Accordance With: 29 CFR 1910.1200 / WHMIS 2015**

| Identification | Acute toxicity | | Genus |
|---|---|---|---|
| propan-2-ol | LD50 oral | 5280 mg/kg | Rat |
| CAS: 67-63-0 | LD50 dermal | 12800 mg/kg | Rat |
| | LC50 inhalation | 72.6 mg/L (4 h) | Rat |

**In Accordance With: COMMISSION REGULATION (EU) 2020/878**

| Identification | Acute toxicity | | Genus |
|---|---|---|---|
| propan-2-ol | LD50 oral | 5280 mg/kg | Rat |
| CAS: 67-63-0 | LD50 dermal | 12800 mg/kg | Rat |
| EC: 200-661-7 | LC50 inhalation | 72,6 mg/L (4 h) | Rat |
| 2-methoxyethanol | LD50 oral | 890 mg/kg | Rabbit |
| CAS: 109-86-4 | LD50 dermal | 1340 mg/kg | Rabbit |
| EC: 203-713-7 | LC50 inhalation | Non-applicable | |

**11.2 Information on other hazards:**

**Endocrine disrupting properties**

Endocrine-disrupting properties: The product fails to meet the criteria.

**Other information**

Non-applicable

## SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

**12.1 Ecotoxicity (aquatic and terrestrial, where available): In Accordance With: 29 CFR 1910.1200 / WHMIS 2015**

**Acute toxicity:**

| Identification | Concentration | | Species | Genus |
|---|---|---|---|---|
| propan-2-ol | LC50 | 9640 mg/L (96 h) | Pimephales promelas | Fish |
| CAS: 67-63-0 | EC50 | 13299 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | 1000 mg/L (72 h) | Scenedesmus subspicatus | Algae |

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## SECTION 12: ECOLOGICAL INFORMATION (continued)

**In Accordance With: COMMISSION REGULATION (EU) 2020/878**

**Acute toxicity:**

| Identification | Concentration | | Species | Genus |
|---|---|---|---|---|
| propan-2-ol | LC50 | 9640 mg/L (96 h) | Pimephales promelas | Fish |
| CAS: 67-63-0 | EC50 | 13299 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 200-661-7 | EC50 | 1000 mg/L (72 h) | Scenedesmus subspicatus | Algae |
| 2-methoxyethanol | LC50 | 15520 mg/L (96 h) | Oncorhynchus mykiss | Fish |
| CAS: 109-86-4 | EC50 | Non-applicable | | |
| EC: 203-713-7 | EC50 | Non-applicable | | |

**Chronic toxicity:**

| Identification | Concentration | | Species | Genus |
|---|---|---|---|---|
| 2-methoxyethanol | NOEC | Non-applicable | | |
| CAS: 109-86-4 EC: 203-713-7 | NOEC | 500 mg/L | Daphnia magna | Crustacean |

### 12.2 Persistence and degradability:

**Substance-specific information: In Accordance With: 29 CFR 1910.1200 / WHMIS 2015**

| Identification | Degradability | | Biodegradability | |
|---|---|---|---|---|
| propan-2-ol | BOD5 | 1.19 g O2/g | Concentration | 100 mg/L |
| CAS: 67-63-0 | COD | 2.23 g O2/g | Period | 14 days |
| | BOD5/COD | 0.53 | % Biodegradable | 86 % |

**Substance-specific information: In Accordance With: COMMISSION REGULATION (EU) 2020/878**

| Identification | Degradability | | Biodegradability | |
|---|---|---|---|---|
| propan-2-ol | BOD5 | 1,19 g O2/g | Concentration | 100 mg/L |
| CAS: 67-63-0 | COD | 2,23 g O2/g | Period | 14 days |
| EC: 200-661-7 | BOD5/COD | 0,53 | % Biodegradable | 86 % |

### 12.3 Bioaccumulative potential:

**Substance-specific information: In Accordance With: 29 CFR 1910.1200 / WHMIS 2015**

| Identification | Bioaccumulation potential | |
|---|---|---|
| propan-2-ol | BCF | 3 |
| CAS: 67-63-0 | Pow Log | 0.05 |
| | Potential | Low |

**Substance-specific information: In Accordance With: COMMISSION REGULATION (EU) 2020/878**

| Identification | Bioaccumulation potential | |
|---|---|---|
| propan-2-ol | BCF | 3 |
| CAS: 67-63-0 | Pow Log | 0.05 |
| EC: 200-661-7 | Potential | Low |
| 2-methoxyethanol | BCF | 3 |
| CAS: 109-86-4 | Pow Log | -0.77 |
| EC: 203-713-7 | Potential | Low |

### 12.4 Mobility in soil: In Accordance With: 29 CFR 1910.1200 / WHMIS 2015

| Identification | Absorption/desorption | | Volatility | |
|---|---|---|---|---|
| propan-2-ol | Koc | 1.5 | Henry | 8.207E-1 Pa·m³/mol |
| CAS: 67-63-0 | Conclusion | Very High | Dry soil | Yes |
| | Surface tension | 2.24E-2 N/m (77 ºF) | Moist soil | Yes |

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## SECTION 12: ECOLOGICAL INFORMATION (continued)

**Mobility in soil: In Accordance With: COMMISSION REGULATION (EU) 2020/878**

| Identification | Absorption/desorption | | Volatility | |
|---|---|---|---|---|
| propan-2-ol | Koc | 1.5 | Henry | 8,207E-1 Pa·m³/mol |
| CAS: 67-63-0 | Conclusion | Very High | Dry soil | Yes |
| EC: 200-661-7 | Surface tension | 2,24E-2 N/m (25 ºC) | Moist soil | Yes |
| 2-methoxyethanol | Koc | 1 | Henry | 3,344E-5 Pa·m³/mol |
| CAS: 109-86-4 | Conclusion | Very High | Dry soil | No |
| EC: 203-713-7 | Surface tension | 3,242E-2 N/m (25 ºC) | Moist soil | No |

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

Non-applicable / Product fails to meet PBT/vPvB criteria

**12.6 Other adverse effects / Endocrine disrupting properties:**

Not described / Endocrine-disrupting properties: The product fails to meet the criteria.

**12.7 Other adverse effects:**

Not described

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1 Disposal methods: In Accordance With: 29 CFR 1910.1200**

The characteristic of Ignitability per RCRA could apply to the unused product if it becomes a waste material. The EPA hazardous waste number D001 could apply.

**Waste management (disposal and evaluation):**

Follow RCRA framework and EPA regulation for to ensure that hazardous waste is managed safely and properly.Waste should not be disposed of to drains. Remind, It is the responsibility of the waste generator to evaluate whether his wastes are hazardous by characteristics or listing.See section 6 for further information about Accidental release measures.

**Regulations related to waste management:**

Legislation related to waste management:

40 CFR Solid Wastes - Part 239 through 282.
State regulatory requirements for generators may be more stringent than those in the federal program. Be sure to check the state´s policies.

**In Accordance With: COMMISSION REGULATION (EU) 2020/878**

| Code | Description | Waste class (Regulation (EU) No 1357/2014) |
|---|---|---|
| 08 04 09* | waste adhesives and sealants containing organic solvents or other hazardous substances | Dangerous |

**Type of waste (Regulation (EU) No 1357/2014):**

HP3 Flammable

**Waste management (disposal and evaluation):**

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

**Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

**In Accordance With: WHMIS 2015**

**Waste management (disposal and evaluation):**

Consult the authorized waste service manager on the assessment and disposal operations. In case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See epigraph 6.2.

**Regulations related to waste management:**

Legislation related to waste management:

Canadian Environmental Protection Act, 1999

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## SECTION 14: TRANSPORT INFORMATION

**Transport of dangerous goods by land:**

With regard to 49 CFR on the Transport of Dangerous Goods AND With regard to ADR 2021 and RID 2021 Transportation of Dangerous Goods Regulations including Amendment SOR/2017-100


| | | |
|---|---|---|
| **14.1** | **UN number:** | UN1133 |
| **14.2** | **UN proper shipping name:** | ADHESIVES |
| **14.3** | **Transport hazard class(es):** | 3 |
| | Labels: | 3 |
| **14.4** | **Packing group, if applicable:** | II |
| **14.5** | **Marine pollutant:** | No |
| **14.6** | **Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises** | |
| | Special regulations: | 640D |
| | Tunnel restriction code: | D/E |
| | Physico-Chemical properties: | see section 9 |
| | Limited quantities: | 5 L |
| **14.7** | **Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** | Not applicable (N/A) |

**Transport of dangerous goods by sea:**

With regard to IMDG 40-20:


| | | |
|---|---|---|
| **14.1** | **UN number:** | UN1133 |
| **14.2** | **UN proper shipping name:** | ADHESIVES |
| **14.3** | **Transport hazard class(es):** | 3 |
| | Labels: | 3 |
| **14.4** | **Packing group, if applicable:** | II |
| **14.5** | **Marine pollutant:** | No |
| **14.6** | **Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises** | |
| | Special regulations: | Not applicable (N/A) |
| | EmS Codes: | F-E, S-D |
| | Physico-Chemical properties: | see section 9 |
| | Limited quantities: | 5 L |
| | Segregation group: | Not applicable (N/A) |
| **14.7** | **Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** | Not applicable (N/A) |

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2023:


| | | |
|---|---|---|
| **14.1** | **UN number:** | UN1133 |
| **14.2** | **UN proper shipping name:** | ADHESIVES |
| **14.3** | **Transport hazard class(es):** | 3 |
| | Labels: | 3 |
| **14.4** | **Packing group, if applicable:** | II |
| **14.5** | **Marine pollutant:** | No |
| **14.6** | **Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises** | |
| | Physico-Chemical properties: | see section 9 |
| **14.7** | **Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** | Not applicable (N/A) |

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## SECTION 15: REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations specific for the product in question:**
**In Accordance With: 29 CFR 1910.1200**

- CALIFORNIA LABOR CODE - The Hazardous Substances List: *propan-2-ol (67-63-0)*
- California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Birth defects or other reproductive harm: Not applicable (N/A)
- California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Cancer: Not applicable (N/A)
- CANADA-Domestic Substances List (DSL): *propan-2-ol (67-63-0)* ; *Quartz (1 %< RCS < 10%) (14808-60-7)*
- CANADA-Non-Domestic Substances List (NDSL): Not applicable (N/A)
- Hazardous Air Pollutants (Clean Air Act): Not applicable (N/A)
- Massachusetts RTK - Substance List: *propan-2-ol (67-63-0)* ; *Quartz (1 %< RCS < 10%) (14808-60-7)*
- Minnesota - Hazardous substances ERTK: *propan-2-ol (67-63-0)* ; *Quartz (1 %< RCS < 10%) (14808-60-7)*
- New Jersey Worker and Community Right-to-Know Act: *propan-2-ol (67-63-0)* ; *Quartz (1 %< RCS < 10%) (14808-60-7)*
- New York RTK - Substance list: *propan-2-ol (67-63-0)*
- NTP (National Toxicology Program): *Quartz (1 %< RCS < 10%) (14808-60-7)*
- OSHA Specifically Regulated Substances (29 CFR 1910.1001-1096): *Quartz (1 %< RCS < 10%) (14808-60-7)*
- Pennsylvania Worker and Community Right-to-Know Law: *propan-2-ol (67-63-0)* ; *Quartz (1 %< RCS < 10%) (14808-60-7)*
- Rhode Island - Hazardous substances RTK: Not applicable (N/A)
- The Toxic Substances Control Act (TSCA) : *propan-2-ol (67-63-0)* ; *Quartz (1 %< RCS < 10%) (14808-60-7)*
- Toxic chemical release reporting under EPCRA section 313 (40 CFR Part 372): *propan-2-ol (67-63-0)*

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantities: Not applicable (N/A)

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

**Other legislation:**

Take into consideration other applicable federal, state, and local laws and local regulations.

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**
**In Accordance With: COMMISSION REGULATION (EU) 2020/878**

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): 2-methoxyethanol

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: propan-2-ol (Product-type 1, 2, 4)

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

**Seveso III:**

| Section | Description | Lower-tier requirements | Upper-tier requirements |
|---|---|---|---|
| P5c | FLAMMABLE LIQUIDS | 5000 | 50000 |

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):**

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.
Occupational exposure to respirable crystalline silica must be controlled pursuant to Directive (EU) 2019/130.

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

**Other legislation:** The product could be affected by sectorial legislation

**Safety, health and environmental regulations specific for the product in question: In Accordance With: WHMIS 2015**

- Domestic Substances List (DSL): *propan-2-ol (67-63-0)* ; *Quartz (1 %< RCS < 10%) (14808-60-7)*
- Non-Domestic Substances List (NDSL): Non-applicable

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

**Other legislation:**

Canadian Environmental Protection Act, 1999

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## SECTION 16: OTHER INFORMATION

**Legislation related to safety data sheets:**
This safety data sheet has been designed in accordance with Appendix d to §1910.1200 - Safety data sheets

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

This safety data sheet has been designed in accordance with Part 4 and Schedule I of the Hazardous Products Regulations (SOR/2015-17)

**Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:**
Non-applicable

**Texts of the legislative phrases mentioned in section 2:**
H225: Highly flammable liquid and vapour.

**Texts of the legislative phrases mentioned in section 3:**
The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**In Accordance With: 29 CFR 1910.1200 / WHMIS 2015:**
Carc. 1B: H350 - May cause cancer.
Eye Irrit. 2A: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Inhalation).
STOT SE 3: H336 - May cause drowsiness or dizziness.

**In Accordance With: CLP Regulation (EC) No 1272/2008:**
Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Repr. 1B: H360FD - May damage fertility. May damage the unborn child.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Inhalation).
STOT SE 3: H336 - May cause drowsiness or dizziness.

**Classification procedure:**
Flam. Liq. 2: Calculation method (2.6.4.3)

**Advice related to training:**
Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**
Occupational Safety & Health Administration (OSHA).
http://echa.europa.eu
http://eur-lex.europa.eu
http://whmis.org/

**Abbreviations and acronyms:**
ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5-day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
CL50/LC50: Lethal Concentration 50
EC50: Effective concentration 50
Log-POW: Octanol-water partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer
Date of compilation: 5/10/2023



END OF SAFETY DATA SHEET