




## SECTION 1: IDENTIFICATION

- 1.1 Product identifier:** EX014PR0005 - MTN PRO Epoxy Primer
- Other means of identification:**  
Non-applicable
- 1.2 Recommended use of the chemical and restrictions on use:**  
Relevant uses: Spray paint  
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Initial supplier identifier:**  
MONTANA COLORS, S.L.  
Pol. Ind. Pla de les Vives C/ Anaïs Nin 6  
08295 Sant Vicenç de Castellet - Barcelona - España  
Phone: +34 938332760 (9:00- 16:00h GMT +1:00)  
msds@montanacolors.com  
<https://www.montanacolors.com>
- CANADA SUPPLIER INFORMATION:  
MTN CANADA INC  
2817 rue Ontario EST, H2K 1X5 Montréal  
Phone : +514 303 5355 (11:00- 19:00 h) (working hours)  
e-mail: info@mtncanada.com
- 1.4 Emergency phone number:** +514 303 5355 (11:00- 19:00 h) (working hours)

## SECTION 2: HAZARD IDENTIFICATION

- 2.1 Classification of the substance or mixture:**  
**WHMIS 2015:**  
Classification of this product has been carried out in accordance with Part 2 of Hazardous Products Regulations (SOR/2015-17 amended by SOR/2022-272)  
Aerosol 1: Pressurised container: May burst if heated., H229  
Aerosol 1: Aerosols, Category 1, H222  
Eye Dam. 1: Serious eye damage, Category 1, H318  
Skin Sens. 1: Sensitisation, skin, Category 1, H317  
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336
- 2.2 Label elements:**  
**WHMIS 2015:**  
Danger
- 
- Hazard statements:**  
H222 - Extremely flammable aerosol.  
H229 - Pressurized container: may burst if heated.  
H317 - May cause an allergic skin reaction.  
H318 - Causes serious eye damage.  
H336 - May cause drowsiness or dizziness.
- Precautionary statements:**



## SECTION 2: HAZARD IDENTIFICATION (continued)

P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P103: Read label before use.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211: Do not spray on an open flame or other ignition source.  
P251: Do not pierce or burn, even after use.  
P261: Avoid breathing spray.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.  
P501: Dispose of contents and / or their container according to the separated collection system used in your municipality.

### Substances that contribute to the classification

acetone; Butanone; N-butyl acetate; butan-1-ol

### 2.3 Health and physical hazards not otherwise classified (HHNOC - PHNOC):

Non-applicable

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances:








Non-applicable

### 3.2 Mixtures:

**Chemical description:** Aerosol

#### Components:

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

Identification	Chemical name/Classification	Concentration
CAS: 115-10-6	<b>Dimethyl ether</b> Flam. Gas 1A: H220; Press. Gas: H280 - Danger	 30 - <60 %
CAS: 67-64-1	<b>acetone</b> Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Danger	 10 - <30 %
CAS: 78-93-3	<b>Butanone</b> Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Danger	 5 - <10 %
CAS: 123-86-4	<b>N-butyl acetate</b> Flam. Liq. 3: H226; STOT SE 3: H336 - Warning	 5 - <10 %
CAS: 71-36-3	<b>butan-1-ol</b> Acute Tox. 4: H302; Eye Dam. 1: H318; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H335; STOT SE 3: H336 - Danger	 1 - <5 %
CAS: 107-98-2	<b>1-methoxy-2-propanol</b> Flam. Liq. 3: H226; STOT SE 3: H336 - Warning	 1 - <5 %
CAS: 25036-25-3	<b>Epichlorohydrin/Bisphenol-A epoxy resin (700 &lt; MW &lt; 1100)</b> Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	 1 - <5 %

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

## 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:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

#### By skin contact:

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#### SECTION 4: FIRST-AID MEASURES (continued)

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

**By eye contact:**

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. 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:**

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:**

Non-applicable

#### 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<sub>2</sub>).

**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,...)

**Additional provisions:**

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

#### 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:**

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:**

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## SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

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 concerning the prevention of industrial risks. 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

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. 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:

#### A.- Technical measures for storage

Minimum Temp.:	5 °C
Maximum Temp.:	50 °C
Maximum time:	120 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:

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

British Columbia - Occupational Health and Safety Regulation section 5.48 (Updated June 22, 2022):

Identification	Occupational exposure limits	
Dimethyl ether CAS: 115-10-6	TLV-TWA	1000 ppm
	TLV-STEL	
2-methoxypropanol CAS: 1589-47-5	TLV-TWA	20 ppm
	TLV-STEL	40 ppm
1-methoxy-2-propanol CAS: 107-98-2	TLV-TWA	50 ppm
	TLV-STEL	100 ppm
Carbon black CAS: 1333-86-4	TLV-TWA	3 mg/m <sup>3</sup>
	TLV-STEL	
2-methoxy-1-methylethyl acetate CAS: 108-65-6	TLV-TWA	50 ppm
	TLV-STEL	75 ppm
2-methoxypropyl acetate CAS: 70657-70-4	TLV-TWA	20 ppm
	TLV-STEL	40 ppm
acetone CAS: 67-64-1	TLV-TWA	250 ppm
	TLV-STEL	500 ppm
Butanone CAS: 78-93-3	TLV-TWA	50 ppm
	TLV-STEL	100 ppm
N-butyl acetate CAS: 123-86-4	TLV-TWA	50 ppm
	TLV-STEL	150 ppm
Phosphoric acid CAS: 7664-38-2	TLV-TWA	1 mg/m <sup>3</sup>
	TLV-STEL	3 mg/m <sup>3</sup>
butan-1-ol	TLV-TWA	15 ppm

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

British Columbia - Occupational Health and Safety Regulation section 5.48 (Updated June 22, 2022):

Identification	Occupational exposure limits		
CAS: 71-36-3	TLV-STEL	30 ppm	
Quartz (RCS < 1 %) CAS: 14808-60-7	TLV-TWA		0.025 mg/m <sup>3</sup>
	TLV-STEL		
propan-2-ol CAS: 67-63-0	TLV-TWA	200 ppm	
	TLV-STEL	400 ppm	
Xylene CAS: 1330-20-7	TLV-TWA	100 ppm	
	TLV-STEL	150 ppm	
Ethylbenzene CAS: 100-41-4	TLV-TWA	20 ppm	
	TLV-STEL		
Titanium dioxide CAS: 13463-67-7	TLV-TWA		10 mg/m <sup>3</sup>
	TLV-STEL		
Talc CAS: 14807-96-6	TLV-TWA		2 mg/m <sup>3</sup>
	TLV-STEL		

ALBERTA - Occupational Health and Safety Code:

Identification	Occupational exposure limits		
1-methoxy-2-propanol CAS: 107-98-2	8-hour	100 ppm	369 mg/m <sup>3</sup>
	15-minute	150 ppm	553 mg/m <sup>3</sup>
Carbon black CAS: 1333-86-4	8-hour		3.5 mg/m <sup>3</sup>
	15-minute		
acetone CAS: 67-64-1	8-hour	500 ppm	1200 mg/m <sup>3</sup>
	15-minute	750 ppm	1800 mg/m <sup>3</sup>
Butanone CAS: 78-93-3	8-hour	200 ppm	590 mg/m <sup>3</sup>
	15-minute	300 ppm	885 mg/m <sup>3</sup>
N-butyl acetate CAS: 123-86-4	8-hour	150 ppm	713 mg/m <sup>3</sup>
	15-minute	200 ppm	950 mg/m <sup>3</sup>
Phosphoric acid CAS: 7664-38-2	8-hour		1 mg/m <sup>3</sup>
	15-minute		3 mg/m <sup>3</sup>
butan-1-ol CAS: 71-36-3	8-hour	20 ppm	60 mg/m <sup>3</sup>
	15-minute		
Quartz (RCS < 1 %) CAS: 14808-60-7	8-hour		0.025 mg/m <sup>3</sup>
	15-minute		
propan-2-ol CAS: 67-63-0	8-hour	200 ppm	492 mg/m <sup>3</sup>
	15-minute	400 ppm	984 mg/m <sup>3</sup>
Xylene CAS: 1330-20-7	8-hour	100 ppm	434 mg/m <sup>3</sup>
	15-minute	150 ppm	651 mg/m <sup>3</sup>
Ethylbenzene CAS: 100-41-4	8-hour	100 ppm	434 mg/m <sup>3</sup>
	15-minute	125 ppm	543 mg/m <sup>3</sup>
Titanium dioxide CAS: 13463-67-7	8-hour		10 mg/m <sup>3</sup>
	15-minute		
Talc CAS: 14807-96-6	8-hour		2 mg/m <sup>3</sup>
	15-minute		
Silicon dioxide (RCS < 1%) CAS: 7631-86-9	8-hour		0.025 mg/m <sup>3</sup>
	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		
2-methoxy-1-methylethyl acetate CAS: 108-65-6	TWA	50 ppm	270 mg/m <sup>3</sup>
	STEL		
Quartz (RCS < 1 %) CAS: 14808-60-7	TWA		0.1 mg/m <sup>3</sup>
	STEL		

**8.2 Appropriate engineering controls:**

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

As a preventative measure it is recommended to use basic Personal Protection Equipment. 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 which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection


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


Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases, vapours and particles	Replace when an increase in resistance to breathing is observed and/or a smell or taste of the contaminant is detected.

C.- Specific protection for the hands



Pictogram	PPE	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	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

Pictogram	PPE	Remarks
 Mandatory face protection	Face shield	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Bodily protection

Pictogram	PPE	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	For professional use only. Clean periodically according to the manufacturer's instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	Replace boots at any sign of deterioration.

F.- Additional emergency measures

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

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

Volatile organic compounds:	72.8 % weight
V.O.C. density at 20 °C:	564.95 kg/m <sup>3</sup> (564.95 g/L)

**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 20 °C: Aerosol

\*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)**

Appearance:	Not available
Colour:	 Grey
Odour:	Not available
Odour threshold:	Non-applicable *
<b>Volatility:</b>	
Boiling point or initial boiling point and boiling range:	-25 °C (Propellant)
Vapour pressure at 20 °C:	Non-applicable *
Vapour pressure at 50 °C:	<300000 Pa (300 kPa)
Evaporation rate at 20 °C:	Non-applicable *
<b>Product description:</b>	
Density at 20 °C:	776 kg/m <sup>3</sup>
Relative density at 20 °C:	0.776
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Relative vapour density at 20 °C:	Non-applicable *
Partition coefficient — n-octanol/water (logarithmic value) 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Recipient pressure:	Non-applicable *
<b>Flammability:</b>	
Flash Point:	-41 °C (Propellant)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	240 °C (Propellant)
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
<b>Particle characteristics:</b>	
Median equivalent diameter:	Non-applicable

**9.2 Other information:**

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

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

**Other safety characteristics:**

Surface tension at 20 °C:	Non-applicable *
Refraction index:	Non-applicable *

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



## 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<sub>2</sub>), carbon monoxide and other organic compounds.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects:

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

Contains glycols. With possibility of effects that are hazardous to the health, it is recommended not to breathe the vapours for long periods of time.

#### Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health 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. However, it does 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, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: 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.

#### 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: Produces serious eye damage after contact.

#### 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: Carbon black (2B); Hydrocarbons, C9, aromatics (3); propan-2-ol (3); Xylene (3); Ethylbenzene (2B); Titanium dioxide (2B); Talc (3)
- 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, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

#### E- Sensitizing effects:

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## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- 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: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

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

Exposure in high concentration can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

### 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, as it does not contain substances classified as hazardous for this effect. 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:

Non-applicable

### Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
	LD50	LC50	
Dimethyl ether CAS: 115-10-6	LD50 oral	>5000 mg/kg	
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	308.5 mg/L (4 h)	Rat
1-methoxy-2-propanol CAS: 107-98-2	LD50 oral	>5000 mg/kg	
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
acetone CAS: 67-64-1	LD50 oral	5800 mg/kg	Rat
	LD50 dermal	7426 mg/kg	Rabbit
	LC50 inhalation	76 mg/L (4 h)	Rat
Butanone CAS: 78-93-3	LD50 oral	4000 mg/kg	Rat
	LD50 dermal	6400 mg/kg	Rabbit
	LC50 inhalation	23.5 mg/L (4 h)	Rat
N-butyl acetate CAS: 123-86-4	LD50 oral	12789 mg/kg	Rat
	LD50 dermal	14112 mg/kg	Rabbit
	LC50 inhalation	23.4 mg/L (4 h)	Rat
butan-1-ol CAS: 71-36-3	LD50 oral	800 mg/kg	Rat
	LD50 dermal	3430 mg/kg	Rabbit
	LC50 inhalation	24.66 mg/L (4 h)	Rat
Epichlorohydrin/Bisphenol-A epoxy resin (700 < MW < 1100) CAS: 25036-25-3	LD50 oral	>5000 mg/kg	
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>5 mg/L	

## 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):

#### Acute toxicity:

Identification	Concentration		Species	Genus
	LC50	EC50		
acetone CAS: 67-64-1	LC50	5540 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	8800 mg/L (48 h)	Daphnia pulex	Crustacean
	EC50	3400 mg/L (48 h)	Chlorella pyrenoidosa	Algae
Butanone CAS: 78-93-3	LC50	3220 mg/L (96 h)	Pimephales promelas	Fish
	EC50	5091 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	4300 mg/L (168 h)	Scenedesmus quadricauda	Algae

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**SECTION 12: ECOLOGICAL INFORMATION (continued)**

Identification	Concentration		Species	Genus
N-butyl acetate CAS: 123-86-4	LC50	Non-applicable		
	EC50	Non-applicable		
	EC50	675 mg/L (72 h)	Scenedesmus subspicatus	Algae
butan-1-ol CAS: 71-36-3	LC50	1740 mg/L (96 h)	Pimephales promelas	Fish
	EC50	1983 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	500 mg/L (96 h)	Scenedesmus subspicatus	Algae
1-methoxy-2-propanol CAS: 107-98-2	LC50	20800 mg/L (96 h)	Pimephales promelas	Fish
	EC50	23300 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	1000 mg/L (168 h)	Selenastrum capricornutum	Algae

**Chronic toxicity:**

Identification	Concentration		Species	Genus
acetone CAS: 67-64-1	NOEC	Non-applicable		
	NOEC	2212 mg/L	Daphnia magna	Crustacean
N-butyl acetate CAS: 123-86-4	NOEC	Non-applicable		
	NOEC	23.2 mg/L	Daphnia magna	Crustacean
butan-1-ol CAS: 71-36-3	NOEC	Non-applicable		
	NOEC	4.1 mg/L	Daphnia magna	Crustacean

**12.2 Persistence and degradability:**

**Substance-specific information:**

Identification	Degradability		Biodegradability	
acetone CAS: 67-64-1	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	96 %
Butanone CAS: 78-93-3	BOD5	2.03 g O2/g	Concentration	Non-applicable
	COD	2.31 g O2/g	Period	20 days
	BOD5/COD	0.88	% Biodegradable	89 %
N-butyl acetate CAS: 123-86-4	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	5 days
	BOD5/COD	Non-applicable	% Biodegradable	84 %
butan-1-ol CAS: 71-36-3	BOD5	1.71 g O2/g	Concentration	Non-applicable
	COD	2.46 g O2/g	Period	19 days
	BOD5/COD	0.7	% Biodegradable	98 %
1-methoxy-2-propanol CAS: 107-98-2	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	90 %

**12.3 Bioaccumulative potential:**

**Substance-specific information:**

Identification	Bioaccumulation potential	
acetone CAS: 67-64-1	BCF	1
	Pow Log	-0.24
	Potential	Low
Butanone CAS: 78-93-3	BCF	3
	Pow Log	0.29
	Potential	Low
N-butyl acetate CAS: 123-86-4	BCF	4
	Pow Log	1.78
	Potential	Low
butan-1-ol CAS: 71-36-3	BCF	1
	Pow Log	0.88
	Potential	Low

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**SECTION 12: ECOLOGICAL INFORMATION (continued)**

Identification	Bioaccumulation potential	
1-methoxy-2-propanol CAS: 107-98-2	BCF	3
	Pow Log	-0.44
	Potential	Low

**12.4 Mobility in soil:**

Identification	Absorption/desorption		Volatility	
Dimethyl ether CAS: 115-10-6	Koc	Non-applicable	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	1.136E-2 N/m (25 °C)	Moist soil	Non-applicable
acetone CAS: 67-64-1	Koc	1	Henry	2.93 Pa·m <sup>3</sup> /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.304E-2 N/m (25 °C)	Moist soil	Yes
Butanone CAS: 78-93-3	Koc	30	Henry	5.77 Pa·m <sup>3</sup> /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.396E-2 N/m (25 °C)	Moist soil	Yes
N-butyl acetate CAS: 123-86-4	Koc	Non-applicable	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	2.478E-2 N/m (25 °C)	Moist soil	Non-applicable
butan-1-ol CAS: 71-36-3	Koc	2.44	Henry	5.39E-2 Pa·m <sup>3</sup> /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.567E-2 N/m (25 °C)	Moist soil	Yes

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

Non-applicable

**12.6 Other adverse effects:**

Not described

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Disposal methods:**

**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

**SECTION 14: TRANSPORT INFORMATION**

**Transport of dangerous goods by land:**

With regard to Transportation of Dangerous Goods Regulations including Amendment SOR/2017-100



**SECTION 14: TRANSPORT INFORMATION (continued)**



- 14.1 UN number:** UN1950  
**14.2 United Nations proper shipping name:** AEROSOLS  
**14.3 Transport hazard class(es):** 2  
 Labels: 2.1  
**14.4 Packing group:** N/A  
**14.5 Environmental hazard:** 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):** Non-applicable

**Transport of dangerous goods by sea:**

With regard to IMDG 40-20:



- 14.1 UN number:** UN1950  
**14.2 United Nations proper shipping name:** AEROSOLS  
**14.3 Transport hazard class(es):** 2  
 Labels: 2.1  
**14.4 Packing group:** N/A  
**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: 63, 959, 190, 277, 327, 344  
 EmS Codes: F-D, S-U  
 Physico-Chemical properties: see section 9  
 Limited quantities: 1 L  
 Segregation group: Non-applicable  
**14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Non-applicable

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2023:



- 14.1 UN number:** UN1950  
**14.2 United Nations proper shipping name:** AEROSOLS  
**14.3 Transport hazard class(es):** 2  
 Labels: 2.1  
**14.4 Packing group:** N/A  
**14.5 Environmental hazard:** 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):** Non-applicable

**SECTION 15: REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations specific for the product in question:**

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## SECTION 15: REGULATORY INFORMATION (continued)

- Domestic Substances List (DSL): *Dimethyl ether (115-10-6)*; *Polyvinyl butyraldehyde (68648-78-2)*; *Water (7732-18-5)*; *butyraldehyde (123-72-8)*; *Sodium chloride (7647-14-5)*; *2-methoxypropanol (1589-47-5)*; *1-methoxy-2-propanol (107-98-2)*; *Carbon black (1333-86-4)*; *2-methoxy-1-methylethyl acetate (108-65-6)*; *2-methoxypropyl acetate (70657-70-4)*; *acetone (67-64-1)*; *Butanone (78-93-3)*; *N-butyl acetate (123-86-4)*; *Phosphoric acid (7664-38-2)*; *butan-1-ol (71-36-3)*; *Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite (68953-58-2)*; *Quartz (RCS < 1 % (14808-60-7)*; *propan-2-ol (67-63-0)*; *Lithium Chloride (7447-41-8)*; *Epichlorohydrin/Bisphenol-A epoxy resin (700 < MW < 1100) (25036-25-3)*; *Xylene (1330-20-7)*; *Ethylbenzene (100-41-4)*; *Propylidyntrimethanol (77-99-6)*; *Titanium dioxide (13463-67-7)*; *Talc (14807-96-6)*; *Silicon dioxide (RCS < 1%) (7631-86-9)*

- 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

## SECTION 16: OTHER INFORMATION

### Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with Part 4 and Schedule I of the Hazardous Products Regulations (SOR/2015-17), amended by SOR/2020-38 and SOR/2022-272.

### Texts of the legislative phrases mentioned in section 2:

H336: May cause drowsiness or dizziness.  
H318: Causes serious eye damage.  
H317: May cause an allergic skin reaction.  
H229: Pressurized container: may burst if heated.  
H222: Extremely flammable aerosol.

### 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

### WHMIS 2015:

Acute Tox. 4: H302 - Harmful if swallowed.  
Eye Dam. 1: H318 - Causes serious eye damage.  
Eye Irrit. 2: H319 - Causes serious eye irritation.  
Flam. Gas 1A: H220 - Extremely flammable gas.  
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.  
Flam. Liq. 3: H226 - Flammable liquid and vapour.  
Press. Gas: H280 - Contains gas under pressure; may explode if heated.  
Skin Irrit. 2: H315 - Causes skin irritation.  
Skin Sens. 1: H317 - May cause an allergic skin reaction.  
STOT SE 3: H335 - May cause respiratory irritation.  
STOT SE 3: H336 - May cause drowsiness or dizziness.

### 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:

<http://whmis.org/>

### Abbreviations and acronyms:

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: Lethal Concentration 50  
EC50: Effective concentration 50  
Log-POW: Octanol-water partition coefficient  
Koc: Partition coefficient of organic carbon  
IARC: International Agency for Research on Cancer  
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The information contained in this safety data sheet is based on sources, technical knowledge and current legislation, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

END OF SAFETY DATA SHEET