

# SAFETY DATA SHEET

# 1. Product and Company Identification

mycolio DISINFECTANT, mycolio DISINFECTANT WIPES **Product identifier** 

Other means of identification

Not available

Recommended use

Hard Surface Disinfectant

Recommended restrictions

Manufacturer information

None known. maxill Inc.

80 Elm Street

St. Thomas, ON N5R 6C8 CA

Phone: 519-631-7370 Fax: 519-631-3388 Website: maxill.com

**Supplier** 

maxill Inc

500 West Main Street Cortland, OH 44410 US Phone:1-855-462-9455

**Emergency Response Number** 

ChemTel: 1-800-255-3924, outside US and Canada, 1-813-248-0585

CANUTEC: 613-996-6666

# 2. Hazards Identification

Physical hazards Flammable liquids Category 3 Acute toxicity, dermal Category 4 **Health hazards** Skin corrosion/irritation Category 2

> Serious eye damage/eye irritation Category 2

Category 3 narcotic effects Specific target organ toxicity, single exposure

**Environmental hazards** WHMIS 2015 defined hazards

Label elements

Not classified. Not classified



Signal word

Flammable liquid and vapor. Hazard statement

Harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness.

**Precautionary statement** 

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Prevention

Keep container tightly closed.

Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.

Use non-sparking tools.

Take action to prevent static discharges.

Avoid breathing mist or vapor.

Use only outdoors or in a well-ventilated area.

Wash thoroughly after handling.

Wear protective gloves/eye protection/face protection.

In case of fire: Use appropriate media to extinguish. Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Specific treatment (see information on this label). Take off contaminated clothing and wash it before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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

Store in a well-ventilated place. Keep container tightly closed. Storage

> Store locked up. Keep cool.

**Disposal** WHMIS 2015: Health Hazard(s)

not otherwise classified

(HHNOC)

None known

WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)

None known

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

This is a registered EPA product. The product labeling is in compliance with EPA regulations and guidelines.

Dispose of contents/container in accordance with local/regional/national/international regulations.

# 3. Composition/Information on Ingredients

Mixture			
Chemical name	Common name and synonyms	CAS number	%
Isopropanol		67-63-0	10 - 30
Ethanol		64-17-5	5 - 10
Ethanol, 2-butoxy-		111-76-2	3 - 7
Didecyl dimethyl ammonium chloride		7173-51-5	0.5 - 1.5

Composition comments

US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

Not applicable to DIN products. Refer to product label for active ingredient content.

#### 4. First Aid Measures

Inhalation IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON

CENTER/doctor if you feel unwell.

Skin contact IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin

irritation occurs: Get medical advice/attention. Specific treatment (see information on this label).

Take off contaminated clothing and wash it before reuse.

Eye contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Rinse mouth. Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is Ingestion

convulsing. Obtain medical attention.

Most important

symptoms/effects, acute and

delayed

media

Direct contact with eyes may cause temporary irritation. Symptoms may include stinging, tearing,

redness, swelling, and blurred vision.

Skin irritation. May cause redness and pain.

Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

Indication of immediate medical attention and special Symptoms may be delayed.

treatment needed **General information** 

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Keep away from sources of ignition. No smoking. Avoid contact with eyes and skin. Wear protective gloves/eye protection/face protection. Wash contaminated clothing before reuse. Keep out of reach of children.

#### 5. Fire Fighting Measures

Suitable extinguishing media Unsuitable extinguishing

Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide. Not available.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed. Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back.

Special protective equipment

Firefighters should wear full protective clothing including self contained breathing apparatus.

and precautions for firefighters

Fire-fighting equipment/instructions Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards Flammable liquid and vapor.

#### 6. Accidental Release Measures

# Personal precautions, protective equipment and emergency procedures

Keep people away from of spill/leak. Keep out of low areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors or mists. Ventilate closed spaces before entering them.

For personal protection, see section 8 of the SDS.

# Methods and materials for containment and cleaning up

Stop the flow of material, if this is without risk. Use a non-combustible material like vermiculite sand or earth to soak up the product and place into a container for later disposal. Pick up wipes and place into a container for disposal. Do not flush to the sewer. For waste disposal, see section 13 of the SDS.

#### **Environmental precautions**

Do not discharge into lakes, streams, ponds or public waters.

# 7. Handling and Storage

#### Precautions for safe handling

Vapors may form explosive mixtures with air.

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight.

Take precautionary measures against static discharges. Use non-sparking tools and explosion-proof equipment.

Avoid contact with eyes, skin and clothing.

Avoid breathing mist or vapor. Use only with adequate ventilation.

Wear appropriate personal protective equipment.

Observe good industrial hygiene practices.

Wash thoroughly after handling. When using do not eat or drink.

# Conditions for safe storage, including any incompatibilities

Store locked up.

Store in a cool, dry place out of direct sunlight.

Store away from incompatible materials (see Section 10 of the SDS).

Keep out of the reach of children.

# 8. Exposure Controls/Personal Protection

### **Occupational exposure limits**

Components

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Туре	Value	
Ethanol (CAS 64-17-5)	TWA	1880 mg/m3 1000 ppm	
Ethanol, 2-butoxy- (CAS 111-76-2)	TWA	97 mg/m3 20 ppm	
Isopropanol (CAS 67-63-0)	STEL	984 mg/m3 400 ppm	
	TWA	492 mg/m3 200 ppm	

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Value

- ompononto	. )   0	14140
Ethanol (CAS 64-17-5)	STEL	1000 ppm
Ethanol, 2-butoxy- (CAS 111-76-2)	TWA	20 ppm
Isopropanol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm

Type

# Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Components	Туре	Value	
Ethanol (CAS 64-17-5)	STEL	1000 ppm	
Ethanol, 2-butoxy- (CAS 111-76-2)	TWA	20 ppm	
Isopropanol (CAS 67-63-0)	STEL	400 ppm	
	TWA	200 ppm	

	Тур	е	emical Agents)	/alue	
Ethanol (CAS 64-17-5)	STE	<u> </u>		1000 ppm	
Ethanol, 2-butoxy- (CAS 111-76-2)	TW	A	:	20 ppm	
Isopropanol (CAS 67-63-0)	STE	EL		100 ppm	
	TW	A	;	200 ppm	
Canada. Quebec OELs. (I Components	Ministry of Labor - Reg Typ	-		f the Work Environment) /alue	
Ethanol (CAS 64-17-5)	TW	Ą		1880 mg/m3 1000 ppm	
Ethanol, 2-butoxy- (CAS 111-76-2)	TW	A	!	97 mg/m3	
			:	20 ppm	
Isopropanol (CAS 67-63-0)	STE	EL		1230 mg/m3 500 ppm	
	TW	А		983 mg/m3 400 ppm	
US. OSHA Table Z-1 Limi Components	ts for Air Contaminant Typ	•		∕alue	
Ethanol (CAS 64-17-5)	PEL			1900 mg/m3 1000 ppm	
Ethanol, 2-butoxy- (CAS 111-76-2)	PEL	-		240 mg/m3	
,			;	50 ppm	
Isopropanol (CAS 67-63-0)	PEL			980 mg/m3 400 ppm	
US. ACGIH Threshold Lin	nit Values				
Components	Тур	е	,	/alue	
	<b>Typ</b> STE			Value 1000 ppm	
Components		EL			
Components Ethanol (CAS 64-17-5) Ethanol, 2-butoxy- (CAS	STE TW	EL A	:	1000 ppm	
Components Ethanol (CAS 64-17-5) Ethanol, 2-butoxy- (CAS 111-76-2)	STE TW	EL A EL	:	1000 ppm 20 ppm	
Components Ethanol (CAS 64-17-5) Ethanol, 2-butoxy- (CAS 111-76-2) Isopropanol (CAS 67-63-0) US. NIOSH: Pocket Guide	STE TW. STE TW. e to Chemical Hazards	EL A EL A	:	1000 ppm 20 ppm 400 ppm	
Components Ethanol (CAS 64-17-5) Ethanol, 2-butoxy- (CAS 111-76-2) Isopropanol (CAS 67-63-0)	STE TW. STE TW.	EL A EL A <b>e</b>		1000 ppm 20 ppm 400 ppm 200 ppm <b>Value</b> 1900 mg/m3	
Components Ethanol (CAS 64-17-5) Ethanol, 2-butoxy- (CAS 111-76-2) Isopropanol (CAS 67-63-0) US. NIOSH: Pocket Guide Components	STE TW. STE TW. e to Chemical Hazards Typ	EL A EL A <b>e</b>		1000 ppm 20 ppm 400 ppm 200 ppm	
Components  Ethanol (CAS 64-17-5)  Ethanol, 2-butoxy- (CAS 111-76-2)  Isopropanol (CAS 67-63-0)  US. NIOSH: Pocket Guide Components  Ethanol (CAS 64-17-5)  Ethanol, 2-butoxy- (CAS	STE TW. STE TW. e to Chemical Hazards Typ	EL A EL A <b>e</b>		1000 ppm 20 ppm 400 ppm 200 ppm Value 1900 mg/m3 1000 ppm	
Components  Ethanol (CAS 64-17-5)  Ethanol, 2-butoxy- (CAS 111-76-2)  Isopropanol (CAS 67-63-0)  US. NIOSH: Pocket Guide Components  Ethanol (CAS 64-17-5)  Ethanol, 2-butoxy- (CAS	STE TW. STE TW. e to Chemical Hazards Typ TW.	EL A EL A <b>e</b> A		1000 ppm 20 ppm 400 ppm 200 ppm  Value 1900 mg/m3 1000 ppm 24 mg/m3	
Components  Ethanol (CAS 64-17-5)  Ethanol, 2-butoxy- (CAS 111-76-2)  Isopropanol (CAS 67-63-0)  US. NIOSH: Pocket Guide Components  Ethanol (CAS 64-17-5)  Ethanol, 2-butoxy- (CAS 111-76-2)	STE TW. STE TW. e to Chemical Hazards Typ TW.	EL A EL A <b>e</b> A A		1000 ppm 20 ppm 400 ppm 200 ppm  Value 1900 mg/m3 1000 ppm 24 mg/m3 5 ppm 1225 mg/m3	
Components  Ethanol (CAS 64-17-5)  Ethanol, 2-butoxy- (CAS 111-76-2)  Isopropanol (CAS 67-63-0)  US. NIOSH: Pocket Guide Components  Ethanol (CAS 64-17-5)  Ethanol, 2-butoxy- (CAS 111-76-2)	STE TW.  STE TW.  e to Chemical Hazards Typ TW.  TW.	EL A EL A <b>e</b> A A		1000 ppm 20 ppm 400 ppm 200 ppm  Value 1900 mg/m3 1000 ppm 24 mg/m3 5 ppm 1225 mg/m3 500 ppm	
Components  Ethanol (CAS 64-17-5)  Ethanol, 2-butoxy- (CAS 111-76-2)  Isopropanol (CAS 67-63-0)  US. NIOSH: Pocket Guide Components  Ethanol (CAS 64-17-5)  Ethanol, 2-butoxy- (CAS 111-76-2)  Isopropanol (CAS 67-63-0)	STE TW.  STE TW.  e to Chemical Hazards Typ TW.  TW.  STE	EL A EL A <b>e</b> A A		1000 ppm 20 ppm 400 ppm 200 ppm  Value 1900 mg/m3 1000 ppm 24 mg/m3 5 ppm 1225 mg/m3 500 ppm	
Components  Ethanol (CAS 64-17-5)  Ethanol, 2-butoxy- (CAS 111-76-2)  Isopropanol (CAS 67-63-0)  US. NIOSH: Pocket Guide Components  Ethanol (CAS 64-17-5)  Ethanol, 2-butoxy- (CAS 111-76-2)  Isopropanol (CAS 67-63-0)  Isopropanol (CAS 67-63-0)	STE TW.  STE TW.  e to Chemical Hazards Typ TW.  TW.  STE TW.	EL A EL A <b>e</b> A A		1000 ppm 20 ppm 400 ppm 200 ppm  Value 1900 mg/m3 1000 ppm 24 mg/m3 5 ppm 1225 mg/m3 500 ppm 980 mg/m3 400 ppm	
Components  Ethanol (CAS 64-17-5)  Ethanol, 2-butoxy- (CAS 111-76-2)  Isopropanol (CAS 67-63-0)  US. NIOSH: Pocket Guide Components  Ethanol (CAS 64-17-5)  Ethanol, 2-butoxy- (CAS 111-76-2)  Isopropanol (CAS 67-63-0)  Isopropanol (CAS 67-63-0)  Digical limit values  ACGIH Biological Exposurements	STE TW.  STE TW.  e to Chemical Hazards Typ TW.  TW.  STE TW.	EL A EL A	Specimen Creatinine in urine	1000 ppm 20 ppm 400 ppm 200 ppm  Value 1900 mg/m3 1000 ppm 24 mg/m3 5 ppm 1225 mg/m3 500 ppm 980 mg/m3 400 ppm	

<sup>\* -</sup> For sampling details, please see the source document.

# **Exposure guidelines**

Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH or OSHA PEL.

**US. NIOSH: Pocket Guide to Chemical Hazards** 

Ethanol, 2-butoxy- (CAS 111-76-2) Can be absorbed through the skin.

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

Ethanol, 2-butoxy- (CAS 111-76-2) Can be absorbed through the skin.

Appropriate engineering

controls

Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment Eye/face protection Wear eye protection as appropriate.

Skin protection

Hand protection Impervious gloves. Nitrile or Butyl rubber.

Other As required by employer code.

Respiratory protection Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

Thermal hazards Not applicable.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks

and immediately after handling the product. When using do not eat or drink.

# 9. Physical and Chemical Properties

**Appearance** Solution, Towel saturated with colorless liquid

**Physical state** Liquid. **Form** Liquid.

Color Colorless liquid on a towel material.

Odor Alcohol - like Not available. Odor threshold pН Not available.

pH concentration 9.4

Melting point/freezing point Not available. Initial boiling point and boiling Not available.

range

Pour point Not available. 0.97 g/mL @ 20C Specific gravity Partition coefficient Not available.

(n-octanol/water)

Flash point 88.2 °F (31.2 °C) **Evaporation rate** Not available. Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Not available.

Flammability limit - upper

(%)

Not available.

Explosive limit - lower (%) Not available. Explosive limit - upper (%) Not available.

Vapor pressure Not available. Vapor density Not available. Relative density Not available. Solubility(ies) Not available. Not available. **Auto-ignition temperature Decomposition temperature** Not available.

3.1 cSt @ 20C. 1.6 cSt @ 40C **Viscosity** 

# 10. Stability and Reactivity

Reactivity May react with incompatible materials. Possibility of hazardous

reactions

Hazardous polymerization does not occur.

**Chemical stability** Stable under recommended storage conditions.

Conditions to avoid Avoid temperatures exceeding the flash point. Do not mix with other chemicals. Incompatible materials
Hazardous decomposition
products

Strong oxidizing agents. Acids. Isocyanates. Chlorine. May include and are not limited to: Oxides of carbon.

# 11. Toxicological Information

Routes of exposure Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

Information on likely routes of exposure

**Ingestion** May cause stomach distress, nausea or vomiting.

**Inhalation** Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

Skin contact Harmful in contact with skin.

Eye contact Causes serious eye irritation.

**Symptoms related to the**Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**physical, chemical and** Skin irritation. May cause redness and pain.

toxicological characteristics Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Information on toxicological effects

Acute toxicity Harmful in contact with skin.

Acute toxicity	Harmful in contact with skin.			
Components	Species	Test Results		
Didecyl dimethyl ammoniun	n chloride (CAS 7173-51-5)			
Acute				
Dermal				
LD50	Rabbit	500 mg/kg		
Inhalation				
LC50	Not available			
Oral				
LD50	Mouse	268 mg/kg		
	Rat	84 mg/kg		
Ethanol (CAS 64-17-5)				
Acute				
Dermal	D-l-l-2	45000 m m/l m		
LD50	Rabbit	> 15800 mg/kg		
Inhalation	Mouse	20 mg/l - 4 Hours		
LC50		39 mg/L, 4 Hours		
	Rat	31623 ppm, 4 Hours		
		20000 ppm, 10 Hours		
		64.1 mg/l/4h		
Oral	5	5500 #		
LD50	Dog	5500 mg/kg		
	Guinea pig	5600 mg/kg		
	Mouse	3450 mg/kg		
	Rat	7060 mg/kg		
Ethanol, 2-butoxy- (CAS 11	1-76-2)			
Acute				
Dermal		007 #		
LD50	Guinea pig	207 mg/kg		
	Rabbit	400 mg/kg		
		220 mg/kg		
		99 mg/kg		
	Rat	99 mg/kg		
Inhalation				
LC50	Mouse	700 ppm, 7 Hours		
	Rat	450 ppm, 4 Hours		
		2.2 mg/L, 4 Hours		
Oral				
LD50	Guinea pig	1200 mg/kg		

Components **Species Test Results** Mouse 1200 mg/kg Rabbit 320 mg/kg Rat 470 mg/kg Isopropanol (CAS 67-63-0) **Acute** Dermai LD50 Rabbit 12800 mg/kg Inhalation LC50 Rat 16970 mg/l/4h Oral LD50 Dog 4797 mg/kg 3600 mg/kg Mouse Rabbit 5030 mg/kg 4396 mg/kg Rat Skin corrosion/irritation Causes skin irritation. **Exposure minutes** Not available. Erythema value Not available. Oedema value Not available. Serious eye damage/eye Causes serious eye irritation. irritation Corneal opacity value Not available. Iris lesion value Not available. Conjunctival reddening Not available. value Conjunctival oedema value Not available. Recover days Not available. Respiratory or skin sensitization Canada - Alberta OELs: Irritant Ethanol, 2-butoxy- (CAS 111-76-2) Irritant Respiratory sensitization Not available. Skin sensitization Not classified. Mutagenicity Not classified. Carcinogenicity Not classified. **ACGIH Carcinogens** Ethanol, 2-butoxy- (CAS 111-76-2) A3 Confirmed animal carcinogen with unknown relevance to humans. Isopropanol (CAS 67-63-0) A4 Not classifiable as a human carcinogen. Canada - Manitoba OELs: carcinogenicity 2-BUTOXYETHANOL (EGBE) (CAS 111-76-2) Confirmed animal carcinogen with unknown relevance to humans. 2-PROPANOL (CAS 67-63-0) Not classifiable as a human carcinogen. ETHANOL (CAS 64-17-5) Confirmed animal carcinogen with unknown relevance to humans. IARC Monographs. Overall Evaluation of Carcinogenicity Ethanol (CAS 64-17-5) Volume 44, Volume 96, Volume 100E Volume 96. Volume 100E

Ethanol, 2-butoxy- (CAS 111-76-2) Volume 88 - 3 Not classifiable as to carcinogenicity to humans.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Not classified. Reproductive toxicity **Teratogenicity** Not classified. Specific target organ toxicity -Narcotic effects. single exposure

Specific target organ toxicity -

repeated exposure

Not classified.

**Aspiration hazard** Not classified.

**Chronic effects** Prolonged inhalation may be harmful.

		12. Ecological Information	
Ecotoxicity	See below		
Ecotoxicological data		Omerica	Total Bookilla
Components	-:-I- (OAO 7470 .	Species 54.5	Test Results
Didecyl dimethyl ammonium chlor Fish	LC50	•	0.001 - 0.01 mg/L, 96 hours
F1511	LC30	White sturgeon (Acipenser transmontanus)	0.001 - 0.01 mg/L, 90 nours
Ethanol (CAS 64-17-5)			
Crustacea	EC50	Daphnia	11744.5 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	7.7 - 11.2 mg/L, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	> 100 mg/L, 96 hours
Ethanol, 2-butoxy- (CAS 111-76-2	2)		
Crustacea	EC50	Daphnia	1819 mg/L, 48 Hours
Aquatic			
Fish	LC50	Inland silverside (Menidia beryllina)	1250 mg/L, 96 hours
Isopropanol (CAS 67-63-0)			
Algae	IC50	Algae	1000 mg/L, 72 Hours
Crustacea	EC50	Daphnia	13299 mg/L, 48 Hours
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	> 1400 mg/L, 96 hours
Persistence and degradability	No data is av	railable on the degradability of this product.	
Bioaccumulative potential	No data avai	lable.	
Mobility in soil	No data avai	lable.	
Mobility in general	Not available		
Other adverse effects		erse environmental effects (e.g. ozone deple docrine disruption, global warming potential)	
		13. Disposal Considerations	
Disposal instructions	Dispose of co	ontents/container in accordance with local/re	egional/international regulations.
Local disposal regulations	Dispose in a	ccordance with all applicable regulations.	
Waste from residues / unused products	Empty containers may contain some product residues, so follow label warnings even after container is emptied. The material and its container must be disposed of in a safe manner. See disposal instructions.		
Towelette Disposal	Do not reuse	towelette. Dispose of use towelette in trash	n. Do not flush in toilet.
Container disposal	Offer unusab	le broken containers for recycling. If recycling	g is not available, discard container in trasl

# 14. Transport Information

**Transport of Dangerous Goods (TDG) Proof of Classification** 

In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue.

# U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

49 CFR 173.150 (e)- Aqueous solutions of alcohol exemption

# **Transportation of Dangerous Goods (TDG - Canada)**

Not regulated as dangerous goods.

1.36 Class 3, Flammable Liquids, Alcoholic Beverage and Aqueous Solution of Alcohol Exemption SOR/2008-34 (a)(i)

# 15. Regulatory Information

Canadian federal regulations This product

This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Product Registration: DIN pending

Canada CEPA Schedule I: Listed substance

Ethanol, 2-butoxy- (CAS 111-76-2)

Listed.

 $\textbf{Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification \, \textbf{Number}}$ 

Ethanol (CAS 64-17-5) 1 TONNES

Ethanol, 2-butoxy- (CAS 111-76-2) 1 TONNES Isopropanol (CAS 67-63-0) 1 TONNES

#### Canada Priority Substances List (Second List): Listed substance

Ethanol, 2-butoxy- (CAS 111-76-2) Listed

Export Control List (CEPA 1999, Schedule 3)

Not listed.

**Greenhouse Gases** 

Not listed.

**Precursor Control Regulations** 

Not regulated.

WHMIS 2015 Exemptions

Exempt

**US federal regulations** 

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

PRECAUTIONARY STATEMENTS:

Hazards to humans and Domestic animals.

CAUTION: Causes moderate eye irritation. Avoid contact with eyes and clothing. Wash thoroughly with soap and water after handling and before eating and drinking, chewing gum, using tobacco or using toilet.

EPA Reg. #88897-2-90841, EPA Reg. #88897-1-90841

EPA Est. # 88897-CAN-001

# TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)** 

Ethanol, 2-butoxy- (CAS 111-76-2) Listed. Isopropanol (CAS 67-63-0) Listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely

hazardous substance

SARA 311/312 Hazardous No

No

chemical

SARA 313 (TRI reporting)

 Chemical name	CAS number	% by wt.
Isopropanol	67-63-0	10 - 30
Ethanol. 2-butoxy-	111-76-2	3 - 7

#### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

US state regulations See below

#### US - California Hazardous Substances (Director's): Listed substance

Ethanol (CAS 64-17-5) Listed. Ethanol, 2-butoxy- (CAS 111-76-2) Listed. Isopropanol (CAS 67-63-0) Listed.

**US - Illinois Chemical Safety Act: Listed substance** 

Ethanol (CAS 64-17-5)

Ethanol, 2-butoxy- (CAS 111-76-2) Isopropanol (CAS 67-63-0)

#### **US - Louisiana Spill Reporting: Listed substance**

Ethanol (CAS 64-17-5) Listed. Ethanol, 2-butoxy- (CAS 111-76-2) Listed. Isopropanol (CAS 67-63-0) Listed.

#### **US - Minnesota Haz Subs: Listed substance**

Ethanol (CAS 64-17-5)

Ethanol, 2-butoxy- (CAS 111-76-2)

Listed.

Listed.

Listed.

Listed.

Listed.

#### US - New Jersey RTK - Substances: Listed substance

Ethanol (CAS 64-17-5)

Ethanol, 2-butoxy- (CAS 111-76-2) Isopropanol (CAS 67-63-0)

### **US - Texas Effects Screening Levels: Listed substance**

Didecyl dimethyl ammonium chloride (CAS Listed.

7173-51-5)

Ethanol (CAS 64-17-5)

Ethanol, 2-butoxy- (CAS 111-76-2)

Isopropanol (CAS 67-63-0)

Listed.

Listed.

Listed.

#### **US. Massachusetts RTK - Substance List**

Ethanol (CAS 64-17-5)

Ethanol, 2-butoxy- (CAS 111-76-2)

Isopropanol (CAS 67-63-0)

#### US. New Jersey Worker and Community Right-to-Know Act

Ethanol, 2-butoxy- (CAS 111-76-2) Isopropanol (CAS 67-63-0)

# US. Pennsylvania Worker and Community Right-to-Know Law

Ethanol (CAS 64-17-5)

Ethanol, 2-butoxy- (CAS 111-76-2)

Isopropanol (CAS 67-63-0)

#### **US. Rhode Island RTK**

Ethanol, 2-butoxy- (CAS 111-76-2) Isopropanol (CAS 67-63-0)

#### **US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

### Inventory status

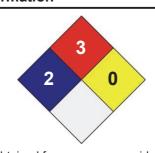
Inventory name	On inventory (yes/no)*
Domestic Substances List (DSL)	Yes
Non-Domestic Substances List (NDSL)	No
Toxic Substances Control Act (TSCA) Inventory	Yes
	Domestic Substances List (DSL) Non-Domestic Substances List (NDSL)

<sup>\*</sup>A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

# 16. Other Information







# Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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Other information For an updated SDS, please contact the supplier/manufacturer listed on the first page of the

document.