

SAFETY DATA SHEET

1. Identification

Product identifier	DISPARLON® 6900-20X
Other means of identification	
Product code	941020
Product Use	Rheological additive used for coatings and paints.
Recommended restrictions	None known.
Manufacturer	
Company name	Kusumoto Chemicals, Ltd.
Address	11-13, Uchikanda 1-chome, Chiyoda-ku, Tokyo, Japan
Telephone	+81-3-3292-8685
Fax	+81-3-3295-6079
Supplier name	King Industries, Inc.
Address	Science Road Norwalk, CT 06852 USA
Telephone	+1-203-866-5551
Fax	+1-203-866-1268
Emergency telephone number	For Chemical Emergency ONLY (spill, leak, fire, exposure or accident), 24 hour emergency telephone, call CHEMTREC at 1-800-424-9300 (US, Canada, Puerto Rico); 1-703-527-3887 (elsewhere).
Importer / Supplier	
Supplier	Univar Canada Ltd. 9800 Van Horne Way Richmond, BC V6X 1W5 Canada Telephone: 1-866-686-4827

2. Hazard identification

Physical hazards	Flammable solids	Category 1
Health hazards	Acute toxicity, inhalation	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Specific target organ toxicity, single exposure	Category 2
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
	Specific target organ toxicity, repeated exposure	Category 2
Environmental hazards	Not classified.	
Label elements		



Signal word	Danger
Hazard statement	Flammable solid. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. May cause damage to organs. May cause damage to organs through prolonged or repeated exposure.

Precautionary statement**Prevention**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid breathing dust. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response

IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Call a POISON CENTER/doctor. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish.

Storage

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

Disposal

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

Other hazards

None known.

Supplemental information

None.

3. Composition/information on ingredients**Mixtures**

Chemical name	Common name and synonyms	CAS number	%
BENZENE, DIMETHYL-		1330-20-7	36.7
BENZENE, ETHYL-		100-41-4	27.7
ETHANOL		64-17-5	11
METHANOL		67-56-1	4.5
2-PROPANOL		67-63-0	0.1
Other components below reportable levels			20

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures**Inhalation**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a poison center or doctor/physician if you feel unwell.

Skin contact

Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact

Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion

Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Most important symptoms/effects, acute and delayed

Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures**Suitable extinguishing media**

Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. 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 solid.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). The product is immiscible with water and will spread on the water surface. Stop the flow of material, if this is without risk.

Large Spills: Wet down with water and dike for later disposal. Absorb in vermiculite, dry sand or earth and place into containers. Shovel the material into waste container. Following product recovery, flush area with water.

Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

Environmental precautions

7. Handling and storage

Precautions for safe handling Minimize dust generation and accumulation. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store locked up. Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
2-PROPANOL (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm
BENZENE, DIMETHYL- (CAS 1330-20-7)	STEL	150 ppm
	TWA	100 ppm
BENZENE, ETHYL- (CAS 100-41-4)	TWA	20 ppm
ETHANOL (CAS 64-17-5)	STEL	1000 ppm
METHANOL (CAS 67-56-1)	STEL	250 ppm
	TWA	200 ppm

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

Components	Type	Value
2-PROPANOL (CAS 67-63-0)	STEL	984 mg/m3
		400 ppm
	TWA	492 mg/m3

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

Components	Type	Value
BENZENE, DIMETHYL- (CAS 1330-20-7)	STEL	200 ppm
		651 mg/m3
	TWA	150 ppm
		434 mg/m3
BENZENE, ETHYL- (CAS 100-41-4)	STEL	100 ppm
		543 mg/m3
	TWA	125 ppm
		434 mg/m3
ETHANOL (CAS 64-17-5)	TWA	100 ppm
		1880 mg/m3
METHANOL (CAS 67-56-1)	STEL	1000 ppm
		328 mg/m3
	TWA	250 ppm
		262 mg/m3
		200 ppm

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

Components	Type	Value
2-PROPANOL (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm
BENZENE, DIMETHYL- (CAS 1330-20-7)	STEL	150 ppm
	TWA	100 ppm
BENZENE, ETHYL- (CAS 100-41-4)	TWA	20 ppm
ETHANOL (CAS 64-17-5)	STEL	1000 ppm
METHANOL (CAS 67-56-1)	STEL	250 ppm
	TWA	200 ppm

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

Components	Type	Value
2-PROPANOL (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm
BENZENE, DIMETHYL- (CAS 1330-20-7)	STEL	150 ppm
	TWA	100 ppm
BENZENE, ETHYL- (CAS 100-41-4)	TWA	20 ppm
ETHANOL (CAS 64-17-5)	STEL	1000 ppm
METHANOL (CAS 67-56-1)	STEL	250 ppm
	TWA	200 ppm

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value
2-PROPANOL (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value
BENZENE, DIMETHYL- (CAS 1330-20-7)	STEL	150 ppm
	TWA	100 ppm
BENZENE, ETHYL- (CAS 100-41-4)	TWA	20 ppm
ETHANOL (CAS 64-17-5)	STEL	1000 ppm
METHANOL (CAS 67-56-1)	STEL	250 ppm
	TWA	200 ppm

Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)

Components	Type	Value
2-PROPANOL (CAS 67-63-0)	STEL	1230 mg/m3
		500 ppm
	TWA	983 mg/m3
BENZENE, DIMETHYL- (CAS 1330-20-7)		400 ppm
	STEL	651 mg/m3
		150 ppm
BENZENE, ETHYL- (CAS 100-41-4)	TWA	434 mg/m3
		100 ppm
	STEL	543 mg/m3
ETHANOL (CAS 64-17-5)		125 ppm
	TWA	434 mg/m3
		100 ppm
METHANOL (CAS 67-56-1)	TWA	1880 mg/m3
		1000 ppm
	STEL	328 mg/m3
		250 ppm
	TWA	262 mg/m3
		200 ppm

Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)

Components	Type	Value
2-PROPANOL (CAS 67-63-0)	15 minute	400 ppm
	8 hour	200 ppm
BENZENE, DIMETHYL- (CAS 1330-20-7)	15 minute	150 ppm
	8 hour	100 ppm
BENZENE, ETHYL- (CAS 100-41-4)	15 minute	125 ppm
	8 hour	100 ppm
ETHANOL (CAS 64-17-5)	15 minute	1250 ppm
	8 hour	1000 ppm
METHANOL (CAS 67-56-1)	15 minute	250 ppm
	8 hour	200 ppm

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
2-PROPANOL (CAS 67-63-0)	40 mg/l	Acetone	Urine	*
BENZENE, DIMETHYL- (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*
BENZENE, ETHYL- (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*
METHANOL (CAS 67-56-1)	15 mg/l	Methanol	Urine	*

* - For sampling details, please see the source document.

Exposure guidelines

Canada - Alberta OELs: Skin designation

METHANOL (CAS 67-56-1) Can be absorbed through the skin.

Canada - British Columbia OELs: Skin designation

METHANOL (CAS 67-56-1) Can be absorbed through the skin.

Canada - Manitoba OELs: Skin designation

METHANOL (CAS 67-56-1) Danger of cutaneous absorption

Canada - Ontario OELs: Skin designation

METHANOL (CAS 67-56-1) Can be absorbed through the skin.

Canada - Quebec OELs: Skin designation

METHANOL (CAS 67-56-1) Can be absorbed through the skin.

Canada - Saskatchewan OELs: Skin designation

METHANOL (CAS 67-56-1) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

METHANOL (CAS 67-56-1) Danger of cutaneous absorption

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles) meeting EN166 standard.

Skin protection

Hand protection Wear impervious chemically resistant gloves conforming to EN 374 standard. Recommended: Protective index 6, corresponding > 480 minutes of permeation time; nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm).

Other Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes).

Respiratory protection Use a NIOSH/MSHA approved respirator or EN 140 compliant half-face respirator fitted with an EN 14387 Type A filter if there is a risk of exposure at levels exceeding the exposure limits. Follow device manufacturer's guidance.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Solid.
Form Paste
Color White or light yellow

Odor Characteristic.

Odor threshold Not available.

pH Not available.

Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	50.9 °F (10.5 °C) Setaflash
Evaporation rate	Not available.
Flammability (solid, gas)	Flammable solid.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	0.89
Relative density temperature	68 °F (20 °C)
Solubility(ies)	
Solubility (water)	Insoluble Insoluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Heat, flames and sparks. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong acids. Strong oxidizing agents. Halogens.
Hazardous decomposition products	Carbon monoxide. Carbon dioxide. Nitrogen oxides. Irritating and/or toxic fumes and gases may be emitted.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Harmful if inhaled.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Based on available data, the classification criteria are not met.

Symptoms related to the physical, chemical and toxicological characteristics	Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain.
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Information on toxicological effects

Acute toxicity	Harmful if inhaled.
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Components	Species	Test Results
2-PROPANOL (CAS 67-63-0)		
Acute		
Dermal		
LD50	Rabbit	12800 mg/kg

Components	Species	Test Results
Inhalation		
LC50	Rat	72000 mg/m3
Oral		
LD50	Rat	4.7 g/kg
BENZENE, DIMETHYL- (CAS 1330-20-7)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 12130 mg/kg
Inhalation		
LC50	Rat	27120 mg/m3, 4 Hours 6350 ppm, 4 Hours
Oral		
LD50	Rat	3523 mg/kg 3523 - 8600 mg/kg
BENZENE, ETHYL- (CAS 100-41-4)		
<u>Acute</u>		
Dermal		
<i>Liquid</i>		
LD50	Rabbit	15400 mg/kg
Inhalation		
<i>Vapor</i>		
LC50	Rat	17.2 mg/l
Oral		
<i>Liquid</i>		
LD50	Rat	3500 mg/kg
ETHANOL (CAS 64-17-5)		
<u>Acute</u>		
Dermal		
<i>Liquid</i>		
LD50	Rat	> 20000 mg/kg
Inhalation		
LC50	Mouse	39 mg/l, 4 Hours
	Rat	> 8000 mg/l
Oral		
LD50	Rat	6.2 g/kg
METHANOL (CAS 67-56-1)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	15800 mg/kg
Inhalation		
LC50	Rat	87.5 mg/l, 6 Hours
Oral		
<i>Liquid</i>		
LD50	Rat	1187 mg/kg
Skin corrosion/irritation	Causes skin irritation.	
Irritation Corrosion - Skin		
BENZENE, DIMETHYL-		Result: Irritating
2-PROPANOL		Result: Not irritating
BENZENE, ETHYL-		Result: Not irritating
ETHANOL		Result: Not irritating
METHANOL		Result: Not irritating

Serious eye damage/eye irritation

Causes serious eye irritation.

Eye

BENZENE, DIMETHYL-
BENZENE, ETHYL-
ETHANOL
METHANOL
2-PROPANOL

Result: Irritating
Result: Not irritating
Result: Not irritating
Result: Not irritating
Result: Serious eye irritation

Respiratory or skin sensitization**Respiratory sensitization**

Not a respiratory sensitizer.

Skin sensitization

Based on available data, the classification criteria are not met.

Sensitization

2-PROPANOL
BENZENE, DIMETHYL-
BENZENE, ETHYL-
ETHANOL
METHANOL

Result: Not a sensitizer
Result: Not a sensitizer
Result: Not a sensitizer
Result: Not a sensitizer
Result: Not a sensitizer

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Ames test

2-PROPANOL
BENZENE, DIMETHYL-
BENZENE, ETHYL-
ETHANOL
METHANOL

Result: Negative
Result: Negative
Result: Negative
Result: Negative
Result: Negative

Germ cell mutagenicity: Chromosome aberration

2-PROPANOL
BENZENE, DIMETHYL-
BENZENE, ETHYL-
ETHANOL
METHANOL

Result: Negative
Result: Negative
Result: Negative
Result: Negative
Result: Negative

Mutagenicity

2-PROPANOL
BENZENE, DIMETHYL-
BENZENE, ETHYL-
ETHANOL
METHANOL

Result: Negative
Result: Negative
Result: Negative
Result: Negative
Result: Negative

Carcinogenicity

Due to partial or complete lack of data the classification is not possible.

ACGIH Carcinogens

2-PROPANOL (CAS 67-63-0)
BENZENE, DIMETHYL- (CAS 1330-20-7)
BENZENE, ETHYL- (CAS 100-41-4)

A4 Not classifiable as a human carcinogen.
A4 Not classifiable as a human carcinogen.
A3 Confirmed animal carcinogen with unknown relevance to humans.

Canada - Manitoba OELs: carcinogenicity

2-PROPANOL (CAS 67-63-0)
BENZENE, DIMETHYL- (CAS 1330-20-7)
BENZENE, ETHYL- (CAS 100-41-4)
ETHANOL (CAS 64-17-5)

Not classifiable as a human carcinogen.
Not classifiable as a human carcinogen.
Confirmed animal carcinogen with unknown relevance to humans.
Confirmed animal carcinogen with unknown relevance to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

BENZENE, DIMETHYL- (CAS 1330-20-7)
BENZENE, ETHYL- (CAS 100-41-4)

3 Not classifiable as to carcinogenicity to humans.
2B Possibly carcinogenic to humans.

Reproductive toxicity

Based on available data, the classification criteria are not met.

Developmental effects

BENZENE, ETHYL-

BENZENE, DIMETHYL-

2000 ppm
Result: NOAEC
500 ppm
Result: NOAEC

Reproductivity

BENZENE, DIMETHYL-

BENZENE, ETHYL-

> 500 ppm
Result: NOAEC
100 ppm
Result: NOEC

Reproductivity
METHANOL

2.39 mg/l
Result: NOAEC

Specific target organ toxicity - single exposure May cause damage to organs. May cause respiratory irritation.

Specific target organ toxicity - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard Based on available data, the classification criteria are not met.

Chronic effects Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure. Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results
2-PROPANOL (CAS 67-63-0)			
Aquatic			
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>)	> 1400 mg/l, 96 hours
BENZENE, DIMETHYL- (CAS 1330-20-7)			
<i>Acute</i>			
Other	NOEC	Activated sludge of a predominantly domestic sewage	16 mg/l, 28 days
Aquatic			
<i>Acute</i>			
Algae	EC50	Algae	4.9 mg/l, 72 Hours
Crustacea	LC50	Daphnia magna	4.7 mg/l, 24 Hours
Fish	LC50	Salmo gairdneri (new name <i>Oncorhynchus mykiss</i>)	8.4 mg/l, 96 Hours
BENZENE, ETHYL- (CAS 100-41-4)			
<i>Acute</i>			
Other	EC50	Nitrosomonas sp.	96 mg/l, 24 Hours
Aquatic			
<i>Acute</i>			
Algae	EC50	Algae	3.6 mg/l, 96 Hours
Crustacea	LC50	Daphnia	2.6 mg/l, 96 Hours
Fish	LC50	Fish	5.1 mg/l, 96 Hours
ETHANOL (CAS 64-17-5)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	> 10000 mg/l, 48 hours
Fish	LC50	Bleak (<i>Alburnus alburnus</i>)	10000 - 11500 mg/l, 96 hours
METHANOL (CAS 67-56-1)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	> 10000 mg/l, 48 hours
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)	> 100 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of the mixture.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

2-PROPANOL	0.05
BENZENE, DIMETHYL-	3.5
BENZENE, ETHYL-	3.15
ETHANOL	-0.31
METHANOL	-0.77

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

TDG

UN number UN1325

UN proper shipping name FLAMMABLE SOLID, ORGANIC, N.O.S. (XYLENES, ETHANOL AND METHANOL, WITH VEGETABLE OIL FATTY ACID AMIDE)

Transport hazard class(es)

Class 4.1

Subsidiary risk -

Packing group II

Environmental hazards D

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number UN1325

UN proper shipping name Flammable solid, organic, n.o.s. (XYLENES, ETHANOL AND METHANOL, WITH VEGETABLE OIL FATTY ACID AMIDE)

Transport hazard class(es)

Class 4.1

Subsidiary risk -

Packing group II

Environmental hazards No.

ERG Code 3L

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo aircraft Allowed with restrictions.

Cargo aircraft only Allowed with restrictions.

IMDG

UN number UN1325

UN proper shipping name FLAMMABLE SOLID, ORGANIC, N.O.S. (XYLENES, ETHANOL AND METHANOL, WITH VEGETABLE OIL FATTY ACID AMIDE)

Transport hazard class(es)

Class 4.1

Subsidiary risk -

Packing group II

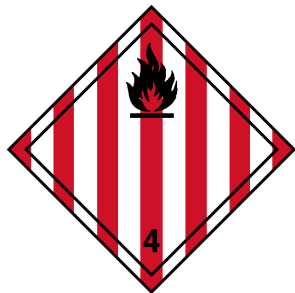
Environmental hazards

Marine pollutant No.

EmS F-A, S-G

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.



15. Regulatory information

Canadian regulations

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.

Controlled Drugs and Substances Act

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Ontario. Toxic Substances. Toxic Reduction Act, 2009. Regulation 455/09 (July 1, 2011)

BENZENE, DIMETHYL- (CAS 1330-20-7)

BENZENE, ETHYL- (CAS 100-41-4)

METHANOL (CAS 67-56-1)

Precursor Control Regulations

Not regulated.

International regulations

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

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

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information

Issue date	03-02-2017
Revision date	05-24-2021
Version #	03

List of abbreviations

CAS: Chemical Abstract Service.
EC50: Effective Concentration 50%.
IBC Code: International Bulk Chemical (Code) (International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk).
LC50: Lethal Concentration 50%.
LD50: Lethal Dose 50%.
OECD: Organization for Economic Cooperation and Development.
OSHA: Occupational Safety & Health Administration.
QSAR: Quantitative Structure Activity Relation.
CLP: Classification, Labeling and Packaging.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods.
NOAEL: No Observed Adverse Effect Level.
NOEC: No Observed Effect Concentration.
NOEL: No Observed Effect Level.
SDS: Safety Data Sheet.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Revision information

Section 2: The classification of the product has been updated.