

**SECTION 1: Identification**

**1.1. Product identifier**

Product form : Mixture  
Product name : Tarpedo®  
Product group : Trade product

**1.2. Recommended use and restrictions on use**

No additional information available

**1.3. Supplier**

BioChem Systems, Inc.  
480 Wildwood Forest Drive  
Suite 400  
Spring, TX 77380  
1 (800) 777-7870

**1.4. Emergency telephone number**

Emergency number : PERS - (800) 633-8253

**SECTION 2: Hazard identification**

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

**Classification (GHS CA)**

Flammable liquids, Category 4	H227	Combustible liquid
Carcinogenicity, Category 2	H351	Suspected of causing cancer.
Aspiration hazard, Category 1	H304	May be fatal if swallowed and enters airways.
Hazardous to the aquatic environment – Acute Hazard, Category 2	H401	Toxic to aquatic life
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411	Toxic to aquatic life with long lasting effects.

**2.2. GHS Label elements, including precautionary statements**

**GHS CA labelling**

Hazard pictograms (GHS CA) :



Signal word (GHS CA) :

Danger

Hazard statements (GHS CA) :

H227 - Combustible liquid  
H304 - May be fatal if swallowed and enters airways.  
H351 - Suspected of causing cancer.  
H401 - Toxic to aquatic life  
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (GHS CA) :

P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, chemical goggles, & face protection.  
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
P308+P313 - IF exposed or concerned: Get medical advice/attention.  
P331 - Do NOT induce vomiting.  
P370+P378 - In case of fire: Use media other than water to extinguish.  
P391 - Collect spillage.  
P403 - Store in a well-ventilated place.  
P405 - Store locked up.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**2.3. Other hazards**

No additional information available

**2.4. Unknown acute toxicity (GHS CA)**

No data available

**SECTION 3: Composition/information on ingredients**

**3.1. Substances**

Not applicable

<b>3.2. Mixtures</b>			
<b>Name</b>	<b>Chemical name / Synonyms</b>	<b>Product identifier</b>	<b>%</b>
Solvent naphtha, petroleum, heavy aromatic	Solvent naphtha (petroleum) heavy aromatic / Hydrocarbons, C10-13, aromatics, >1% naphthalene / Solvent naphtha	CAS-No.: 64742-94-5	80 – 100
Naphthalene	naphthalene Naphthalene, molten / Naphthalene, crude / Naphthalenes / Moth balls	CAS-No.: 91-20-3	5 – 10
1-Butoxy-2-propanol	3-butoxypropan-2-ol; propylene glycol monobutyl ether 3-Butoxypropan-2-ol / 1-Butoxypropan-2-ol / Propan-2-ol, 1-butoxy- / 2-Propanol, 1-butoxy- / Propylene glycol monobutyl ether / Propylene glycol butyl ether / n-Butoxy-2-propanol / 1,2-Propylene glycol 1-monobutyl ether / Propylene glycol 1-butyl ether	CAS-No.: 5131-66-8	1 – 5
Benzene, 1,2,4-trimethyl-	1,2,4-trimethylbenzene Pseudocumene / 1,2,4-Trimethylbenzene / Trimethylbenzene, 1,2,4- / Trimethylbenzene	CAS-No.: 95-63-6	1 – 5
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched	α-(4-Nonylphenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl), branched 4-Nonylphenol, branched, ethoxylated / Polyethylene glycol, mono(p-nonylphenyl) ether, branched / .alpha.-(p-Nonylphenyl)-.omega.-hydroxypoly(oxyethylene) branched / .alpha.-(4-Nonylphenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) branched / Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched / .alpha.-(4-Nonylphenyl)-.omega.-hydroxy poly(oxy-1,2-ethanediyl), branched	CAS-No.: 127087-87-0	1 – 5
2-Butoxy-1-propanol	1-Propanol, 2-butoxy- / 2-Butoxy-1-propanol / 2-Butoxypropanol / 2-Butoxypropan-1-ol / Propylene glycol 2-butyl ether	CAS-No.: 15821-83-7	0.1 – 1

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation	: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. If breathing is difficult, supply oxygen. If breathing has stopped, give artificial respiration.
First-aid measures after skin contact	: IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.
First-aid measures after eye contact	: IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing if pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.
First-aid measures after ingestion	: IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention immediately.
First-aid measures general	: If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

#### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	: May be fatal if swallowed and enters airways. Suspected of causing cancer.
Symptoms/effects after inhalation	: May be fatal if swallowed and enters airways.
Symptoms/effects after skin contact	: May cause skin irritation.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: May cause gastrointestinal irritation.
Chronic symptoms	: Suspected of causing cancer.

#### 4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment	: No additional information available.
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### SECTION 5: Fire-fighting measures

#### 5.1. Suitable extinguishing media

Suitable extinguishing media	: Foam. Carbon dioxide. Dry chemical. Water fog.
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#### 5.2. Unsuitable extinguishing media

Unsuitable extinguishing media	: None known.
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#### 5.3. Specific hazards arising from the hazardous product

Fire hazard	: Product is flammable.
Explosion hazard	: Heating may generate vapors.
Reactivity in case of fire	: No dangerous reactions known under normal conditions of use.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

#### 5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment. Prevent human exposure to fire, fumes, smoke and products of combustion.
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Protection during firefighting	:	Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus.
Precautionary measures fire	:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection. Use special care to avoid static electric charges. Avoid breathing fumes or vapours. No flames, no sparks. Eliminate all sources of ignition. Vapor may cause flash fires. Vapors are heavier than air and can travel long distances to ignition sources.
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#### 6.2. Methods and materials for containment and cleaning up

For containment	:	Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Use only non-sparking tools.
Methods for cleaning up	:	Eliminate ignition sources. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This material and its container must be disposed of in a safe way, and as per local legislation. Notify authorities if product enters sewers or public waters.

#### 6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling	:	Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing vapours, mist. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
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#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue and can be hazardous.
Storage conditions	:	Store in a well-ventilated place. Keep cool. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 1-Butoxy-2-propanol (5131-66-8)

##### USA - ACGIH / OSHA - Occupational Exposure Limits

Remark	OELs not established
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##### Naphthalene (91-20-3)

##### Canada (Alberta) - Occupational Exposure Limits

Local name	Naphthalene
OEL TWA	52 mg/m <sup>3</sup>
OEL TWA [ppm]	10 ppm
OEL STEL	79 mg/m <sup>3</sup>
OEL STEL [ppm]	15 ppm
Notations and remarks	Substance may be readily absorbed through intact skin.
Regulatory reference	Alberta Regulation 191/2021

##### Canada (Quebec) - Occupational Exposure Limits

VEMP (OEL TWA) [ppm]	10 ppm
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##### Canada (British Columbia) - Occupational Exposure Limits

Local name	Naphthalene
OEL TWA [ppm]	10 ppm
Notations and remarks	Skin; IARC group 2B carcinogen
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)

## Safety Data Sheet

Prepared according to Canadian Hazardous Products Regulations (SOR/2015-17) (WHMIS 2015)

<b>Naphthalene (91-20-3)</b>	
<b>Canada (Manitoba) - Occupational Exposure Limits</b>	
Local name	Naphthalene
OEL TWA [ppm]	10 ppm
Notations and remarks	TLV® Basis: URT irr; cararacts; hemolytic anemia. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2023
<b>Canada (New Brunswick) - Occupational Exposure Limits</b>	
Local name	Naphthalene
OEL TWA [ppm]	10 ppm
Notations and remarks	Hematologic eff; URT & eye irr; Skin; A3
<b>Canada (Newfoundland and Labrador) - Occupational Exposure Limits</b>	
Local name	Naphthalene
OEL TWA [ppm]	10 ppm
Notations and remarks	TLV® Basis: URT irr; cararacts; hemolytic anemia. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2023
<b>Canada (Nova Scotia) - Occupational Exposure Limits</b>	
Local name	Naphthalene
OEL TWA [ppm]	10 ppm
Notations and remarks	TLV® Basis: URT irr; cararacts; hemolytic anemia. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2023
<b>Canada (Nunavut) - Occupational Exposure Limits</b>	
Local name	Naphthalene
OEL TWA [ppm]	10 ppm
OEL STEL [ppm]	15 ppm
Notations and remarks	Skin
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
<b>Canada (Northwest Territories) - Occupational Exposure Limits</b>	
Local name	Naphthalene
OEL TWA [ppm]	10 ppm
OEL STEL [ppm]	15 ppm
Notations and remarks	Skin
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
<b>Canada (Ontario) - Occupational Exposure Limits</b>	
OEL TWA [ppm]	10 ppm
<b>Canada (Prince Edward Island) - Occupational Exposure Limits</b>	
Local name	Naphthalene
OEL TWA [ppm]	10 ppm
Notations and remarks	TLV® Basis: URT irr; cararacts; hemolytic anemia. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2023
<b>Canada (Saskatchewan) - Occupational Exposure Limits</b>	
Local name	Naphthalene

<b>Naphthalene (91-20-3)</b>	
OEL TWA [ppm]	10 ppm
OEL STEL [ppm]	15 ppm
Notations and remarks	Skin
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
<b>Canada (Yukon) - Occupational Exposure Limits</b>	
OEL TWA	50 mg/m <sup>3</sup>
OEL TWA [ppm]	10 ppm
OEL STEL	75 mg/m <sup>3</sup>
OEL STEL [ppm]	15 ppm
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Naphthalene
ACGIH OEL TWA [ppm]	10 ppm
ACGIH OEL STEL [ppm]	15 ppm
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans, Skin - potential significant contribution to overall exposure by the cutaneous route
Regulatory reference	ACGIH 2023
<b>USA - ACGIH - Biological Exposure Indices</b>	
Local name	NAPHTHALENE
BEI	Parameter: 1-Naphthol with hydrolysis plus 2-Naphthol with hydrolysis - Sampling time: end of shift (nonquantitative, nonspecific)
Regulatory reference	ACGIH 2023
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Naphthalene
OSHA PEL TWA [1]	50 mg/m <sup>3</sup>
OSHA PEL TWA [2]	10 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>	
<b>Canada (Manitoba) - Occupational Exposure Limits</b>	
Local name	1,2,4-Trimethyl benzene
OEL TWA [ppm]	10 ppm
Notations and remarks	TLV® Basis: CNS impair; hematologic eff. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2023
<b>Canada (Newfoundland and Labrador) - Occupational Exposure Limits</b>	
Local name	1,2,4-Trimethyl benzene
OEL TWA [ppm]	10 ppm
Notations and remarks	TLV® Basis: CNS impair; hematologic eff. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2023
<b>Canada (Nova Scotia) - Occupational Exposure Limits</b>	
Local name	1,2,4-Trimethyl benzene
OEL TWA [ppm]	10 ppm
Notations and remarks	TLV® Basis: CNS impair; hematologic eff. Notations: A4 (Not classifiable as a Human Carcinogen)

<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>	
Regulatory reference	ACGIH 2023
<b>Canada (Prince Edward Island) - Occupational Exposure Limits</b>	
Local name	1,2,4-Trimethyl benzene
OEL TWA [ppm]	10 ppm
Notations and remarks	TLV® Basis: CNS impair; hematologic eff. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2023
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	1,2,4-Trimethyl benzene
ACGIH OEL TWA [ppm]	10 ppm
Remark (ACGIH)	TLV® Basis: CNS impair; hematologic eff. Notations: A4 (Not classifiable as a Human Carcinogen)
ACGIH chemical category	Not Classifiable as a Human Carcinogen
Regulatory reference	ACGIH 2023
<b>USA - OSHA - Occupational Exposure Limits</b>	
Remark (OSHA)	OELs not established
<b>Solvent naphtha, petroleum, heavy aromatic (64742-94-5)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Remark (ACGIH)	OELs not established
<b>USA - OSHA - Occupational Exposure Limits</b>	
Remark (OSHA)	OELs not established
<b>Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched (127087-87-0)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Remark (ACGIH)	OELs not established
<b>USA - OSHA - Occupational Exposure Limits</b>	
Remark (OSHA)	OELs not established
<b>Poly(oxy-1,2-ethanediyl), .alpha.-(dinonylphenyl)-.omega.-hydroxy- (9014-93-1)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Remark (ACGIH)	OELs not established
<b>USA - OSHA - Occupational Exposure Limits</b>	
Remark (OSHA)	OELs not established
<b>2-Butoxy-1-propanol (15821-83-7)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Remark (ACGIH)	OELs not established
<b>USA - OSHA - Occupational Exposure Limits</b>	
Remark (OSHA)	OELs not established

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Gloves. Protective goggles. Protective clothing. Insufficient ventilation: wear respiratory protection.

### Hand protection:

Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.

### Eye protection:

Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

### Skin and body protection:

Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

### Respiratory protection:

Where vapour, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment. Use NIOSH (or other equivalent national standard) -approved dust/particulate respirator.

### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Appearance	: Clear & Bright.
Colour	: Colourless to slightly yellow
Odour	: Mothballs Naphthalene-like
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 182.22 °C (360°F)
Flash point	: ≥ 62.78 °C (145°F)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: No data available
Density	: 0.9 g/m <sup>3</sup> (20°C)
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: 0.015 – 0.025 mm <sup>2</sup> /s
Explosive properties	: Not explosive.
Oxidising properties	: Not an Oxidizer.
Explosive limits	: 1.8 – 8.4 vol %

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

Reactivity	: No dangerous reactions known under normal conditions of use.
Chemical stability	: Stable under recommended handling and storage conditions (see section 7).
Possibility of hazardous reactions	: None known.
Conditions to avoid	: No flames, no sparks. Eliminate all sources of ignition. Elevated temperature. Prevent vapour accumulation.
Incompatible materials	: Strong oxidizing agents, reducing agents.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	: No additional information available

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

#### 1-Butoxy-2-propanol (5131-66-8)

LD50 oral rat	5660 µl/kg
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)
LD50 dermal rabbit	3100 mg/kg

#### Naphthalene (91-20-3)

LD50 oral rat	1110 mg/kg
LD50 oral	620 mg/kg bodyweight
LD50 dermal rabbit	1120 mg/kg (Source: NZ_CCID)
LC50 Inhalation - Rat	> 340 mg/m <sup>3</sup> 1 h
LC50 Inhalation - Rat (Vapours)	> 0.4 mg/l Source: ECHA
ATE CA (oral)	1110 mg/kg bodyweight

#### Benzene, 1,2,4-trimethyl- (95-63-6)

LD50 oral rat	3280 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
LC50 Inhalation - Rat	18 g/m <sup>3</sup> (Exposure time: 4 h Source: NLM_CIP)
LC50 Inhalation - Rat (Vapours)	18 mg/l Source: Corporate Solution From Thomson Micromedex
ATE CA (oral)	3280 mg/kg bodyweight
ATE CA (vapours)	18 mg/l/4h
ATE CA (dust,mist)	18 mg/l/4h

#### Polyethylene glycol (25322-68-3)

LD50 oral rat	22 g/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:
LD50 dermal rabbit	> 20 g/kg
ATE CA (oral)	22000 mg/kg bodyweight

#### Solvent naphtha, petroleum, heavy aromatic (64742-94-5)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2 ml/kg
LC50 Inhalation - Rat	> 590 mg/m <sup>3</sup> 4h

#### Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched (127087-87-0)

LD50 oral rat	1310 mg/kg (Source: NZ_CCID)
LD50 oral	657.2 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: other:, Remarks on results: other:, 95% CL: 265 - 1664,2
LC50 Inhalation - Rat (Dust/Mist)	0.52 – 1.03 mg/l
ATE CA (oral)	1310 mg/kg bodyweight

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified



STOT-repeated exposure	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.
Symptoms/effects	: May be fatal if swallowed and enters airways. Suspected of causing cancer.
Symptoms/effects after inhalation	: May be fatal if swallowed and enters airways.
Symptoms/effects after skin contact	: May cause skin irritation.
Symptoms/effects after eye contact	: Direct contact with eyes is likely to be irritating.
Symptoms/effects after ingestion	: May cause gastrointestinal irritation
Chronic symptoms	: Suspected of causing cancer.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.

#### 12.2. Persistence and degradability

##### Tarpedo

Persistence and degradability	: No information available.
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#### 12.3. Bioaccumulative potential

##### Tarpedo

Bioaccumulative potential	: No information available.
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#### 12.4. Mobility in soil

##### Tarpedo

Ecology - soil	: No information available.
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#### 12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No data available.

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Waste treatment methods	: Obtain the consent of pollution control authorities before discharging to wastewater treatment plants. No discharges to surface waters are allowed without authorization under the Wastewater Systems Effluent Regulations. Follow all national, provincial and local requirements for wastewater discharge.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment. Container under pressure. Do not drill or burn even after use.

### SECTION 14: Transport information

In accordance with TDG / DOT / IMDG / IATA

#### 14.1. UN number

UN-No. (TDG)	: UN1993
DOT NA No	: Not applicable
UN-No. (IMDG)	: 3082
UN-No. (IATA)	: 3082

#### 14.2. UN proper shipping name

Proper Shipping Name (TDG)	: FLAMMABLE LIQUID, N.O.S.
Proper Shipping Name (DOT)	: Not applicable
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IATA)	: Environmentally hazardous substance, liquid, n.o.s.

#### 14.3. Transport hazard class(es)

##### TDG

Transport hazard class(es) (TDG)	: 3
Hazard labels (TDG)	: 3



### DOT

Transport hazard class(es) (DOT) : Combustible liquid



### IMDG

Transport hazard class(es) (IMDG) : 9

Danger labels (IMDG) : 9



### IATA

Transport hazard class(es) (IATA) : 9

Danger labels (IATA) : 9



### 14.4. Packing group

Packing group (TDG) : III

Packing group (DOT) : Not applicable

Packing group (IMDG) : III

Packing group (IATA) : III

### 14.5. Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : Yes



Other information : No supplementary information available.

### 14.6. Special precautions for user

#### TDG

UN-No. (TDG) : UN1993

TDG Special Provisions : 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks).  
 (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name:  
 (a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S.;  
 (b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S.;  
 (c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S.;  
 (d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.; or  
 (e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S.  
 (3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment:  
 (a) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or  
 (b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS, 150 - An approved ERAP is required for the dangerous goods referred to in paragraph 7.2(1)(f) of Part 7 (Emergency Response Assistance Plan). SOR-2019-101

Explosive Limit and Limited Quantity Index : 5 L

Excepted quantities (TDG) : E1

Passenger Carrying Road Vehicle or Passenger : 60 L

Carrying Railway Vehicle Index

Emergency Response Guide (ERG) Number : 128

### DOT

This mixture meets the requirements for 49 CFR 173.150(f) exemptions and the outer packages of this material would not require transportation labelling.

### IMDG

Special provisions (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP01, P001
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	: S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS
Stowage category (IMDG)	: A

### IATA

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provisions (IATA)	: A97, A158, A197, A215
ERG code (IATA)	: 9L

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. National regulations

#### Tarpedo

All chemical substances in this product are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL) or are exempt.

### 15.2. International regulations

#### Tarpedo®

All chemical substances in this product are listed as "Active" in the EPA (Environmental Protection Agency) "TSCA Inventory Notification (Active-Inactive) Requirements Rule" ("the Final Rule") of Feb. 2019, as amended Feb. 2021, or are otherwise exempt or regulated by other agencies such as FDA or FIFRA.

## SECTION 16: Other information

Issue date : 03 November 2023

Other information : Revised by: Regulatory & Compliance.

Safety Data Sheet (SDS), Canada

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.