HANDY FLO® 131 / SILVALOY® 630 PASTE

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 29 November 2017 Version: 2.0

SECTION 1: Identification

1.1. Product identifier

Product form	:	Mixture
Trade name	:	HANDY FLO® 131 / SILVALOY® 630 PASTE
Product code	:	A00000672
Product group	:	Trade product

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Lucas-Milhaupt Toronto
290 Carlingview Drive
M9W 5G1 Rexdale - Canada
T +1 (416) 675-1860
LM_SDSinfo@lucasmilhaupt.com - www.lucasmilhaupt.com

1.4. Emergency telephone number

Emergency number : CHEMTREC Within the USA and Canada: 1-800-424-9300

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Flammable solids, Category 2	H228
Substances and Mixtures which, in contact with water, emit flammable gases, Category 1	H260
Corrosive to metals, Category 1	H290
Skin corrosion/irritation, Category 1	H314
Skin sensitisation, Category 1	H317
Carcinogenicity, Category 2	H351
Reproductive toxicity, Category 1	H360
Specific target organ toxicity — Repeated exposure, Category 1	H372
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400
Combustible Dust	

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS CA labelling

Hazard pictograms (GHS CA) :

Signal word (GHS CA) : Danger

Hazard statements (GHS CA) : May form combustible dust concentrations in air
H228 - Flammable solid.
H260 - In contact with water releases flammable gases which may ignite spontaneously.
H290 - May be corrosive to metals.
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H351 - Suspected of causing cancer.
H360 - May damage fertility or the unborn child.
H372 - Causes damage to organs through prolonged or repeated exposure.
H400 - Very toxic to aquatic life.

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.
P223 - Do not allow contact with water.
P231+P232 - Handle under inert gas. Protect from moisture.
P234 - Keep only in original container.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting equipment.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+P335+P334 - IF ON SKIN: Brush off loose particles from skin. Immerse in cool water or wrap in wet bandages.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P310 - Immediately call a POISON CENTER or doctor.
P314 - Get medical advice/attention if you feel unwell.
P321 - Specific treatment (see supplemental first aid instruction on this label)
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P363 - Wash contaminated clothing before reuse.
P370+P378 - In case of fire: Use media other than water to extinguish.
P390 - Absorb spillage to prevent material damage.
P391 - Collect spillage.
P402+P404 - Store in a dry place. Store in a closed container.
P405 - Store locked up.
P406 - Store in corrosive resistant container with a resistant inner liner.
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

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Silver	Silver, metallic / Silver metal / CI 77820 / Nanoscale silver / Nanosilver / Silver, metal / Silver, elemental / C.I. 77820	(CAS-No.) 7440-22-4	44.64 - 49.92	Aquatic Acute 1, H400
Copper	C.I. 77400 / C.I. Pigment Metal 2 / Copper, elemental / CI 77400 / Copper metal / Copper, metallic / Pigment Metal 2 / Granulated copper	(CAS-No.) 7440-50-8	19.8 - 23.01	Aquatic Acute 1, H400
Potassium fluoride (K(HF2))	Potassium bifluoride / Potassium acid fluoride / Potassium hydrogen difluoride / Potassium hydrogendifluoride / Potassium hydrofluoride	(CAS-No.) 7789-29-9	4.84 - 8.4	Skin Corr. 1, H314 Eye Dam. 1, H318 STOT SE 3, H335
Boric acid (H3BO3)	Boric acid / Orthoboric acid / BORIC ACID / Boracic acid	(CAS-No.) 10043-35-3	5.5 - 8.4	Repr. 1, H360
Tin	Tin, metal / Tin, elemental / Tin metal	(CAS-No.) 7440-31-5	3.6 - 5.46	Acute Tox. 4 (Oral), H302
Borate(1-), tetrafluoro-, potassium	Potassium borofluoride / Potassium fluoroborate / Potassium tetrafluoroborate / Potassium fluoborate / Borate(1-), tetrafluoro-, potassium (1:1) / Potassium tetrafluoroborate(1-)	(CAS-No.) 14075-53-7	2.64 - 5.04	Not classified
Nickel	Nickel metal / Nickel, elemental / Nickel, metallic / Nickel, metal / C.I. 77775	(CAS-No.) 7440-02-0	1.44 - 2.34	Skin Sens. 1, H317 Carc. 2, H351 STOT RE 1, H372 Aquatic Acute 1, H400

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Petroleum distillates, hydrotreated light	Distillates (petroleum), hydrotreated light / Distillates, petroleum, hydrotreated light / Hydrotreated light distillate / Jet fuels / Kerosene, hydrotreated / Petroleum distillates, hydrotreated light (A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9-16 and boiling in the range of approximately 150-290°C.) / Odorless light petroleum hydrocarbons / Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclics,	(CAS-No.) 64742-47-8	1.02124 - 1.7724	Asp. Tox. 1, H304
Carbonic acid, dipotassium salt	Potassium carbonate / Potash / Potassium carbonate (2:1) / Carbonic acid, potassium salt (1:2) / POTASSIUM CARBONATE / Dipotassium carbonate / Potassium carbonate, anhydrous	(CAS-No.) 584-08-7	0.44 - 1.12	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(nonylphenoxy)-, branched, ammonium salt	Branched nonylphenol, ethoxylated, sulfated, ammonium salt / C9 Branched alkylphenol ethoxylate sulfuric acid, ammonium salt / Polyethylene glycol branched-nonylphenyl ether sulfate ammonium salt / Poly(oxy-1,2-ethanediyl), [.alpha.]-sulfo-[.omega.]-(nonylphenoxy)-, branched, ammonium salt / SDA 23-101-01	(CAS-No.) 68649-55-8	0 - 0.504	Not classified
Polyisobutylene	1-Propene, 2-methyl-, homopolymer / Polyisobutene / Poly(4+) isobutylene / POLYISOBUTENE	(CAS-No.) 9003-27-4	0.1509354 - 0.261954	Not classified
Boron		(CAS-No.) 7440-42-8	0 - 0.2576	Acute Tox. 4 (Oral), H302
Ethyl alcohol	Methylcarbinol / Ethanol / ALCOHOL / Alcohol anhydrous / Alcohol	(CAS-No.) 64-17-5	0 - 0.1197	Flam. Liq. 2, H225 Eye Irrit. 2B, H320
Polyethylene glycol branched nonylphenyl ether	Nonylphenol, branched, ethoxylated / Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-, branched / Polyoxyethylene branched-C9-alkylphenol / Branched-nonylphenol ethoxylate / SDA 23-099-00 / Polyethylene glycol nonylphenyl ether, branched / .alpha.-(Nonylphenyl)-.omega.-hydroxy poly(oxy-1,2-ethanediyl), branched	(CAS-No.) 68412-54-4	0 - 0.0252	Skin Irrit. 2, H315
Magnesium	Magnesium powder	(CAS-No.) 7439-95-4	0 - 0.0168	Flam. Sol. 2, H228 Water-react. 1, H260 Comb. Dust
Methyl alcohol	Carbinol / Methyl hydroxide / Wood alcohol / METHYL ALCOHOL	(CAS-No.) 67-56-1	0 - 0.0126	Flam. Liq. 2, H225 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370
Ethyl acetate	Acetate, ethyl / Acetic acid, ethyl ester / Ethyl acetic ester / Ethyl ethanoate / Acetic acid ethyl ester / ETHYL ACETATE / Ethyl ester	(CAS-No.) 141-78-6	0 - 0.0063	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
2-Pentanone, 4-methyl-	Pentan-2-one, 4-methyl- / MIBK / 4-Methylpentan-2-one / 2-Methyl-4-pentanone / 4-Methyl-2-pentanone / Methyl isobutyl ketone / Isopropylacetone / Isobutyl methyl ketone / Hexone / Methy Isobutyl ketone	(CAS-No.) 108-10-1	0 - 0.00252	Flam. Liq. 2, H225 Carc. 2, H351 STOT SE 3, H336
2,6-Di-tert-butyl-p-cresol	Di-tert-butyl-p-cresol / Butyl-hydroxyl-toluene / 2,6-Di-tert-butyl-4-cresol / Phenol, 2,6-di-tert-butyl-4-methyl- / Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- / Ionol / 2,6-Di-tert-butyl-4-methylphenol / DBPC / p-Cresol, 2,6-di-tert-butyl- / Butylated hydroxytoluene / 2,6-di(Dimethylethyl)-4-methylphenol / 2,6-Di(dimethylethyl)-4-methylphenol / 2,6-Di-tertiary-butyl-para-cresol / Butylhydroxy toluene / 2,6-Bis(1,1-dimethylethyl)-4-methylphenol / BHT / 3,5-Di-tert-butyl-4-hydroxytoluene / Butylhydroxytoluene	(CAS-No.) 128-37-0	0.00015246 - 0.0002646	Comb. Dust

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately. Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.

First-aid measures general : Call a physician immediately.

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

Symptoms/effects after skin contact : Burns. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Serious damage to eyes.

Symptoms/effects after ingestion : Burns.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Dry powder. Water spray. Foam.

5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Water.

5.3. Specific hazards arising from the hazardous product

Fire hazard : Flammable solid. May form combustible dust concentrations in air.

5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.2. Methods and materials for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Mechanically recover the product. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

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 : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Wear personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Avoid dust formation. Handle under inert gas. Protect from moisture. Do not allow contact with water.

Hygiene measures : Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool. Protect from sunlight. Keep away from ignition sources. Store in corrosive resistant container with a resistant inner liner. Keep only in original container. Protect from moisture. Store in a dry place. Store in a closed container.

Incompatible materials : Metals.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ethyl alcohol (64-17-5)		
USA - ACGIH	ACGIH STEL (ppm)	1000 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m³)	1900 mg/m³
USA - OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
Canada (Quebec)	VEMP (mg/m³)	1880 mg/m³
Canada (Quebec)	VEMP (ppm)	1000 ppm
Alberta	OEL TWA (mg/m³)	1880 mg/m³
Alberta	OEL TWA (ppm)	1000 ppm
British Columbia	OEL STEL (ppm)	1000 ppm
Manitoba	OEL STEL (ppm)	1000 ppm
New Brunswick	OEL TWA (mg/m³)	1880 mg/m³
New Brunswick	OEL TWA (ppm)	1000 ppm
Newfoundland & Labrador	OEL STEL (ppm)	1000 ppm
Nova Scotia	OEL STEL (ppm)	1000 ppm
Nunavut	OEL STEL (ppm)	1250 ppm
Nunavut	OEL TWA (ppm)	1000 ppm
Northwest Territories	OEL STEL (ppm)	1250 ppm
Northwest Territories	OEL TWA (ppm)	1000 ppm
Ontario	OEL STEL (ppm)	1000 ppm
Prince Edward Island	OEL STEL (ppm)	1000 ppm
Saskatchewan	OEL STEL (ppm)	1250 ppm
Saskatchewan	OEL TWA (ppm)	1000 ppm
Yukon	OEL STEL (mg/m³)	1900 mg/m³
Yukon	OEL STEL (ppm)	1000 ppm
Yukon	OEL TWA (mg/m³)	1900 mg/m³
Yukon	OEL TWA (ppm)	1000 ppm

Methyl alcohol (67-56-1)		
USA - ACGIH	ACGIH TWA (ppm)	200 ppm
USA - ACGIH	ACGIH STEL (ppm)	250 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m³)	260 mg/m³
USA - OSHA	OSHA PEL (TWA) (ppm)	200 ppm
Canada (Quebec)	VECD (mg/m³)	328 mg/m³
Canada (Quebec)	VECD (ppm)	250 ppm
Canada (Quebec)	VEMP (mg/m³)	262 mg/m³
Canada (Quebec)	VEMP (ppm)	200 ppm
Alberta	OEL STEL (mg/m³)	328 mg/m³
Alberta	OEL STEL (ppm)	250 ppm
Alberta	OEL TWA (mg/m³)	262 mg/m³
Alberta	OEL TWA (ppm)	200 ppm
British Columbia	OEL STEL (ppm)	250 ppm
British Columbia	OEL TWA (ppm)	200 ppm
Manitoba	OEL STEL (ppm)	250 ppm
Manitoba	OEL TWA (ppm)	200 ppm
New Brunswick	OEL STEL (mg/m³)	328 mg/m³
New Brunswick	OEL STEL (ppm)	250 ppm
New Brunswick	OEL TWA (mg/m³)	262 mg/m³
New Brunswick	OEL TWA (ppm)	200 ppm

Methyl alcohol (67-56-1)		
Newfoundland & Labrador	OEL STEL (ppm)	250 ppm
Newfoundland & Labrador	OEL TWA (ppm)	200 ppm
Nova Scotia	OEL STEL (ppm)	250 ppm
Nova Scotia	OEL TWA (ppm)	200 ppm
Nunavut	OEL STEL (ppm)	250 ppm
Nunavut	OEL TWA (ppm)	200 ppm
Northwest Territories	OEL STEL (ppm)	250 ppm
Northwest Territories	OEL TWA (ppm)	200 ppm
Ontario	OEL STEL (ppm)	250 ppm
Ontario	OEL TWA (ppm)	200 ppm
Prince Edward Island	OEL STEL (ppm)	250 ppm
Prince Edward Island	OEL TWA (ppm)	200 ppm
Saskatchewan	OEL STEL (ppm)	250 ppm
Saskatchewan	OEL TWA (ppm)	200 ppm
Yukon	OEL STEL (mg/m³)	310 mg/m³
Yukon	OEL STEL (ppm)	250 ppm
Yukon	OEL TWA (mg/m³)	260 mg/m³
Yukon	OEL TWA (ppm)	200 ppm

Ethyl acetate (141-78-6)		
USA - ACGIH	ACGIH TWA (ppm)	400 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m³)	1400 mg/m³
USA - OSHA	OSHA PEL (TWA) (ppm)	400 ppm
Canada (Quebec)	VEMP (mg/m³)	1440 mg/m³
Canada (Quebec)	VEMP (ppm)	400 ppm
Alberta	OEL TWA (mg/m³)	1440 mg/m³
Alberta	OEL TWA (ppm)	400 ppm
British Columbia	OEL TWA (ppm)	150 ppm
Manitoba	OEL TWA (ppm)	400 ppm
New Brunswick	OEL TWA (mg/m³)	1440 mg/m³
New Brunswick	OEL TWA (ppm)	400 ppm
Newfoundland & Labrador	OEL TWA (ppm)	400 ppm
Nova Scotia	OEL TWA (ppm)	400 ppm
Nunavut	OEL STEL (ppm)	500 ppm
Nunavut	OEL TWA (ppm)	400 ppm
Northwest Territories	OEL STEL (ppm)	500 ppm
Northwest Territories	OEL TWA (ppm)	400 ppm
Ontario	OEL TWA (ppm)	400 ppm
Prince Edward Island	OEL TWA (ppm)	400 ppm
Saskatchewan	OEL STEL (ppm)	500 ppm
Saskatchewan	OEL TWA (ppm)	400 ppm
Yukon	OEL STEL (mg/m³)	1400 mg/m³
Yukon	OEL STEL (ppm)	400 ppm
Yukon	OEL TWA (mg/m³)	1400 mg/m³
Yukon	OEL TWA (ppm)	400 ppm

2-Pentanone, 4-methyl- (108-10-1)		
USA - ACGIH	ACGIH TWA (ppm)	20 ppm
USA - ACGIH	ACGIH STEL (ppm)	75 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m³)	410 mg/m³
USA - OSHA	OSHA PEL (TWA) (ppm)	100 ppm

2-Pentanone, 4-methyl- (108-10-1)		
Canada (Quebec)	VECD (mg/m³)	307 mg/m³
Canada (Quebec)	VECD (ppm)	75 ppm
Canada (Quebec)	VEMP (mg/m³)	205 mg/m³
Canada (Quebec)	VEMP (ppm)	50 ppm
Alberta	OEL STEL (mg/m³)	307 mg/m³
Alberta	OEL STEL (ppm)	75 ppm
Alberta	OEL TWA (mg/m³)	205 mg/m³
Alberta	OEL TWA (ppm)	50 ppm
British Columbia	OEL STEL (ppm)	75 ppm
British Columbia	OEL TWA (ppm)	20 ppm
Manitoba	OEL STEL (ppm)	75 ppm
Manitoba	OEL TWA (ppm)	20 ppm
New Brunswick	OEL STEL (mg/m³)	307 mg/m³
New Brunswick	OEL STEL (ppm)	75 ppm
New Brunswick	OEL TWA (mg/m³)	205 mg/m³
New Brunswick	OEL TWA (ppm)	50 ppm
Newfoundland & Labrador	OEL STEL (ppm)	75 ppm
Newfoundland & Labrador	OEL TWA (ppm)	20 ppm
Nova Scotia	OEL STEL (ppm)	75 ppm
Nova Scotia	OEL TWA (ppm)	20 ppm
Nunavut	OEL STEL (ppm)	75 ppm
Nunavut	OEL TWA (ppm)	50 ppm
Northwest Territories	OEL STEL (ppm)	75 ppm
Northwest Territories	OEL TWA (ppm)	50 ppm
Ontario	OEL STEL (ppm)	75 ppm
Ontario	OEL TWA (ppm)	20 ppm
Prince Edward Island	OEL STEL (ppm)	75 ppm
Prince Edward Island	OEL TWA (ppm)	20 ppm
Saskatchewan	OEL STEL (ppm)	75 ppm
Saskatchewan	OEL TWA (ppm)	50 ppm
Yukon	OEL STEL (mg/m³)	510 mg/m³
Yukon	OEL STEL (ppm)	125 ppm
Yukon	OEL TWA (mg/m³)	410 mg/m³
Yukon	OEL TWA (ppm)	100 ppm

Boric acid (H3BO3) (10043-35-3)		
USA - ACGIH	ACGIH TWA (mg/m³)	2 mg/m³ (inhalable particulate matter)
USA - ACGIH	ACGIH STEL (mg/m³)	6 mg/m³ (inhalable particulate matter)
British Columbia	OEL STEL (mg/m³)	6 mg/m³ (inhalable)
British Columbia	OEL TWA (mg/m³)	2 mg/m³ (inhalable)
Manitoba	OEL STEL (mg/m³)	6 mg/m³ (inhalable particulate matter)
Manitoba	OEL TWA (mg/m³)	2 mg/m³ (inhalable particulate matter)
Newfoundland & Labrador	OEL STEL (mg/m³)	6 mg/m³ (inhalable particulate matter)
Newfoundland & Labrador	OEL TWA (mg/m³)	2 mg/m³ (inhalable particulate matter)
Nova Scotia	OEL STEL (mg/m³)	6 mg/m³ (inhalable particulate matter)
Nova Scotia	OEL TWA (mg/m³)	2 mg/m³ (inhalable particulate matter)
Nunavut	OEL STEL (mg/m³)	6 mg/m³ (inhalable fraction)
Nunavut	OEL TWA (mg/m³)	2 mg/m³ (inhalable fraction)
Northwest Territories	OEL STEL (mg/m³)	6 mg/m³ (inhalable fraction)
Northwest Territories	OEL TWA (mg/m³)	2 mg/m³ (inhalable fraction)

Boric acid (H3BO3) (10043-35-3)		
Ontario	OEL STEL (mg/m³)	6 mg/m³ (inhalable)
Ontario	OEL TWA (mg/m³)	2 mg/m³ (inhalable)
Prince Edward Island	OEL STEL (mg/m³)	6 mg/m³ (inhalable particulate matter)
Prince Edward Island	OEL TWA (mg/m³)	2 mg/m³ (inhalable particulate matter)
Saskatchewan	OEL STEL (mg/m³)	6 mg/m³ (inhalable fraction)
Saskatchewan	OEL TWA (mg/m³)	2 mg/m³ (inhalable fraction)

Petroleum distillates, hydrotreated light (64742-47-8)		
British Columbia	OEL TWA (mg/m³)	200 mg/m³ (application restricted to conditions in which there are negligible aerosol exposures)

2,6-Di-tert-butyl-p-cresol (128-37-0)		
USA - ACGIH	ACGIH TWA (mg/m³)	2 mg/m³ (inhalable fraction and vapor)
Canada (Quebec)	VECD (mg/m³)	10 mg/m³
Alberta	OEL TWA (mg/m³)	10 mg/m³
British Columbia	OEL TWA (mg/m³)	2 mg/m³ (aerosol, inhalable, and vapour)
Manitoba	OEL TWA (mg/m³)	2 mg/m³ (inhalable fraction and vapor)
New Brunswick	OEL TWA (mg/m³)	10 mg/m³
Newfoundland & Labrador	OEL TWA (mg/m³)	2 mg/m³ (inhalable fraction and vapor)
Nova Scotia	OEL TWA (mg/m³)	2 mg/m³ (inhalable fraction and vapor)
Nunavut	OEL STEL (mg/m³)	4 mg/m³ (inhalable fraction and vapour)
Nunavut	OEL TWA (mg/m³)	2 mg/m³ (inhalable fraction and vapour)
Northwest Territories	OEL STEL (mg/m³)	4 mg/m³ (inhalable fraction and vapour)
Northwest Territories	OEL TWA (mg/m³)	2 mg/m³ (inhalable fraction and vapour)
Ontario	OEL TWA (mg/m³)	2 mg/m³ (inhalable fraction and vapor)
Prince Edward Island	OEL TWA (mg/m³)	2 mg/m³ (inhalable fraction and vapor)
Saskatchewan	OEL STEL (mg/m³)	4 mg/m³ (inhalable fraction and vapour)
Saskatchewan	OEL TWA (mg/m³)	2 mg/m³ (inhalable fraction and vapour)
Yukon	OEL STEL (mg/m³)	20 mg/m³
Yukon	OEL TWA (mg/m³)	10 mg/m³

Silver (7440-22-4)		
USA - ACGIH	ACGIH TWA (mg/m³)	0.1 mg/m³ (dust and fume)
USA - OSHA	OSHA PEL (TWA) (mg/m³)	0.01 mg/m³
Canada (Quebec)	VEMP (mg/m³)	0.1 mg/m³
Alberta	OEL TWA (mg/m³)	0.1 mg/m³
British Columbia	OEL STEL (mg/m³)	0.03 mg/m³
British Columbia	OEL TWA (mg/m³)	0.01 mg/m³
Manitoba	OEL TWA (mg/m³)	0.1 mg/m³ (dust and fume)
New Brunswick	OEL TWA (mg/m³)	0.1 mg/m³
Newfoundland & Labrador	OEL TWA (mg/m³)	0.1 mg/m³ (dust and fume)
Nova Scotia	OEL TWA (mg/m³)	0.1 mg/m³ (dust and fume)
Nunavut	OEL STEL (mg/m³)	0.3 mg/m³ (metal)
Nunavut	OEL TWA (mg/m³)	0.1 mg/m³ (metal)
Northwest Territories	OEL STEL (mg/m³)	0.3 mg/m³ (metal)
Northwest Territories	OEL TWA (mg/m³)	0.1 mg/m³ (metal)
Ontario	OEL TWA (mg/m³)	0.1 mg/m³ (dust and fume)
Prince Edward Island	OEL TWA (mg/m³)	0.1 mg/m³ (dust and fume)
Saskatchewan	OEL STEL (mg/m³)	0.3 mg/m³
Saskatchewan	OEL TWA (mg/m³)	0.1 mg/m³
Yukon	OEL STEL (mg/m³)	0.03 mg/m³
Yukon	OEL TWA (mg/m³)	0.01 mg/m³

Copper (7440-50-8)		
USA - ACGIH	ACGIH TWA (mg/m³)	0.2 mg/m³ (fume)
USA - OSHA	OSHA PEL (TWA) (mg/m³)	0.1 mg/m³ (fume) 1 mg/m³ (dust and mist)
Canada (Quebec)	VEMP (mg/m³)	0.2 mg/m³ (fume)
Alberta	OEL TWA (mg/m³)	0.2 mg/m³ (fume)
British Columbia	OEL TWA (mg/m³)	1 mg/m³ (dust and mist)
Manitoba	OEL TWA (mg/m³)	0.2 mg/m³ (fume)
New Brunswick	OEL TWA (mg/m³)	0.2 mg/m³ (fume)
Newfoundland & Labrador	OEL TWA (mg/m³)	0.2 mg/m³ (fume)
Nova Scotia	OEL TWA (mg/m³)	0.2 mg/m³ (fume)
Nunavut	OEL STEL (mg/m³)	3 mg/m³ (dust and mist)
Nunavut	OEL TWA (mg/m³)	0.2 mg/m³ (fume)
Northwest Territories	OEL STEL (mg/m³)	3 mg/m³ (dust and mist)
Northwest Territories	OEL TWA (mg/m³)	0.2 mg/m³ (fume)
Ontario	OEL TWA (mg/m³)	0.2 mg/m³ (fume)
Prince Edward Island	OEL TWA (mg/m³)	0.2 mg/m³ (fume)
Saskatchewan	OEL STEL (mg/m³)	0.6 mg/m³ (fume)
Saskatchewan	OEL TWA (mg/m³)	0.2 mg/m³ (fume)
Yukon	OEL STEL (mg/m³)	0.2 mg/m³ (fume)
Yukon	OEL TWA (mg/m³)	0.2 mg/m³ (fume)

Nickel (7440-02-0)		
USA - ACGIH	ACGIH TWA (mg/m³)	1.5 mg/m³ (inhalable particulate matter)
USA - OSHA	OSHA PEL (TWA) (mg/m³)	1 mg/m³
Canada (Quebec)	VEMP (mg/m³)	1 mg/m³
Alberta	OEL TWA (mg/m³)	1.5 mg/m³
British Columbia	OEL TWA (mg/m³)	0.05 mg/m³
Manitoba	OEL TWA (mg/m³)	1.5 mg/m³ (inhalable particulate matter)
New Brunswick	OEL TWA (mg/m³)	1 mg/m³
Newfoundland & Labrador	OEL TWA (mg/m³)	1.5 mg/m³ (inhalable particulate matter)
Nova Scotia	OEL TWA (mg/m³)	1.5 mg/m³ (inhalable particulate matter)
Nunavut	OEL STEL (mg/m³)	3 mg/m³ (inhalable fraction)
Nunavut	OEL TWA (mg/m³)	1.5 mg/m³ (inhalable fraction)
Northwest Territories	OEL STEL (mg/m³)	3 mg/m³ (inhalable fraction)
Northwest Territories	OEL TWA (mg/m³)	1.5 mg/m³ (inhalable fraction)
Ontario	OEL TWA (mg/m³)	1 mg/m³ (inhalable)
Prince Edward Island	OEL TWA (mg/m³)	1.5 mg/m³ (inhalable particulate matter)
Saskatchewan	OEL STEL (mg/m³)	3 mg/m³ (inhalable fraction)
Saskatchewan	OEL TWA (mg/m³)	1.5 mg/m³ (inhalable fraction)
Yukon	OEL STEL (mg/m³)	3 mg/m³
Yukon	OEL TWA (mg/m³)	1 mg/m³

Tin (7440-31-5)		
USA - ACGIH	ACGIH TWA (mg/m³)	2 mg/m³
Canada (Quebec)	VEMP (mg/m³)	2 mg/m³
Alberta	OEL TWA (mg/m³)	2 mg/m³
British Columbia	OEL TWA (mg/m³)	2 mg/m³
Manitoba	OEL TWA (mg/m³)	2 mg/m³
New Brunswick	OEL TWA (mg/m³)	2 mg/m³
Newfoundland & Labrador	OEL TWA (mg/m³)	2 mg/m³
Nova Scotia	OEL TWA (mg/m³)	2 mg/m³

Tin (7440-31-5)		
Nunavut	OEL STEL (mg/m³)	4 mg/m³ (metal)
Nunavut	OEL TWA (mg/m³)	2 mg/m³ (metal)
Northwest Territories	OEL STEL (mg/m³)	4 mg/m³ (metal)
Northwest Territories	OEL TWA (mg/m³)	2 mg/m³ (metal)
Ontario	OEL TWA (mg/m³)	2 mg/m³
Prince Edward Island	OEL TWA (mg/m³)	2 mg/m³
Saskatchewan	OEL STEL (mg/m³)	4 mg/m³
Saskatchewan	OEL TWA (mg/m³)	2 mg/m³

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : No data available

Colour : No data available

Odour : No data available

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 : Not applicable

Boiling point : No data available

Flash point : Not applicable

Auto-ignition temperature : Not applicable

Decomposition temperature : No data available

Flammability (solid, gas) : Non flammable,Flammable solid,In contact with water releases flammable gases which may ignite spontaneously.

Vapour pressure : No data available

Vapour pressure at 50 °C : No data available

Relative density : Not applicable

Solubility : No data available

Log Pow : No data available

Explosive limits : Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity : The product is non-reactive under normal conditions of use, storage and transport. Flammable solid.

Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reactions known under normal conditions of use. In contact with water releases flammable gases which may ignite spontaneously.
Conditions to avoid	:	None under recommended storage and handling conditions (see section 7). Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Avoid dust formation. Water, humidity.
Incompatible materials	:	metals.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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

Potassium fluoride (K(HF2)) (7789-29-9)	
LD50 oral rat	160 mg/kg
ATE CA (oral)	160 mg/kg bodyweight

Ethyl alcohol (64-17-5)	
LD50 oral rat	7060 mg/kg
LC50 inhalation rat (mg/l)	124.7 mg/l/4h

Methyl alcohol (67-56-1)	
LD50 oral rat	6200 mg/kg
LD50 dermal rabbit	15840 mg/kg
LC50 inhalation rat (ppm)	22500 ppm (Exposure time: 8 h)
ATE CA (oral)	6200 mg/kg bodyweight
ATE CA (Dermal)	15840 mg/kg bodyweight
ATE CA (Gases)	700 ppmv/4h
ATE CA (vapours)	3 mg/l/4h
ATE CA (dust,mist)	0.5 mg/l/4h

Ethyl acetate (141-78-6)	
LD50 oral rat	5620 mg/kg
LD50 dermal rabbit	> 18000 mg/kg
LC50 inhalation rat (ppm)	4000 ppm/4h
ATE CA (oral)	5620 mg/kg bodyweight
ATE CA (Gases)	4000 ppmv/4h

2-Pentanone, 4-methyl- (108-10-1)	
LD50 oral rat	2080 mg/kg
LD50 dermal rabbit	3000 mg/kg
LC50 inhalation rat (mg/l)	8.2 mg/l/4h

Boric acid (H3BO3) (10043-35-3)	
LD50 oral rat	2660 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 0.16 mg/l/4h
ATE CA (oral)	2660 mg/kg bodyweight

Borate(1-), tetrafluoro-, potassium (14075-53-7)	
LD50 oral rat	5854 mg/kg
ATE CA (oral)	5854 mg/kg bodyweight

Carbonic acid, dipotassium salt (584-08-7)	
LD50 oral rat	1870 mg/kg
ATE CA (oral)	1870 mg/kg bodyweight

Petroleum distillates, hydrotreated light (64742-47-8)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5.2 mg/l/4h

2,6-Di-tert-butyl-p-cresol (128-37-0)	
LD50 oral rat	> 2930 mg/kg

2,6-Di-tert-butyl-p-cresol (128-37-0)	
LD50 dermal rat	> 2000 mg/kg

Boron (7440-42-8)	
LD50 oral rat	650 mg/kg
ATE CA (oral)	650 mg/kg bodyweight

Magnesium (7439-95-4)	
LD50 oral rat	230 mg/kg
ATE CA (oral)	230 mg/kg bodyweight

Silver (7440-22-4)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Nickel (7440-02-0)	
LD50 oral rat	> 9000 mg/kg
LC50 inhalation rat (mg/l)	> 10.2 mg/l (Exposure time: 1 h)

Tin (7440-31-5)	
LD50 oral rat	700 mg/kg
ATE CA (oral)	700 mg/kg bodyweight

Skin corrosion/irritation : Causes severe skin burns and eye damage.

Serious eye damage/irritation : Serious eye damage, category 1, implicit

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer.

Reproductive toxicity : May damage fertility or the unborn child.

STOT-single exposure : Not classified

Potassium fluoride (K(HF2)) (7789-29-9)	
STOT-single exposure	May cause respiratory irritation.

Methyl alcohol (67-56-1)	
STOT-single exposure	Causes damage to organs.

Ethyl acetate (141-78-6)	
STOT-single exposure	May cause drowsiness or dizziness.

2-Pentanone, 4-methyl- (108-10-1)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure.

Nickel (7440-02-0)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

Symptoms/effects after skin contact : Burns. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Serious damage to eyes.

Symptoms/effects after ingestion : Burns.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life.

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Not classified

Ethyl alcohol (64-17-5)	
LC50 fish 1	12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
LC50 fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Daphnia 2	2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
Log Pow	-0.32

Methyl alcohol (67-56-1)	
LC50 fish 1	28200 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
BCF fish 1	< 10
Log Pow	-0.77

Ethyl acetate (141-78-6)	
LC50 fish 1	220 - 250 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	484 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
EC50 Daphnia 1	560 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
BCF fish 1	30
Log Pow	0.6

2-Pentanone, 4-methyl- (108-10-1)	
LC50 fish 1	496 - 514 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	170 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 96h algae (1)	400 mg/l (Species: Pseudokirchneriella subcapitata)
Log Pow	1.19

Boric acid (H3BO3) (10043-35-3)	
EC50 Daphnia 1	115 - 153 mg/l (Exposure time: 48 h - Species: Daphnia magna)
BCF fish 1	0
Log Pow	-0.757 (at 25 °C)

Borate(1-), tetrafluoro-, potassium (14075-53-7)	
EC50 96h algae (1)	95 mg/l (Species: Desmodesmus subspicatus)

Carbonic acid, dipotassium salt (584-08-7)	
EC50 Daphnia 1	630 mg/l (Exposure time: 48 h - Species: Ceriodaphnia dubia)

Petroleum distillates, hydrotreated light (64742-47-8)	
LC50 fish 1	45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
BCF fish 1	61 - 159

2,6-Di-tert-butyl-p-cresol (128-37-0)	
EC50 72h algae (1)	6 mg/l (Species: Pseudokirchneriella subcapitata)
EC50 72h algae (2)	> 0.42 mg/l (Species: Desmodesmus subspicatus)
BCF fish 1	230 - 2500
Log Pow	4.17

Copper (7440-50-8)	
EC50 96h algae (1)	0.031 - 0.054 mg/l (Species: Pseudokirchneriella subcapitata [static])

Nickel (7440-02-0)	
LC50 fish 1	> 100 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)
LC50 fish 2	1.3 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [semi-static])
EC50 Daphnia 1	> 100 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Daphnia 2	1 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 72h algae (1)	0.18 mg/l (Species: Pseudokirchneriella subcapitata)
EC50 96h algae (1)	0.174 - 0.311 mg/l (Species: Pseudokirchneriella subcapitata [static])

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Ethyl alcohol (64-17-5)	
Log Pow	-0.32

Methyl alcohol (67-56-1)	
BCF fish 1	< 10
Log Pow	-0.77

Ethyl acetate (141-78-6)	
BCF fish 1	30
Log Pow	0.6

2-Pentanone, 4-methyl- (108-10-1)	
Log Pow	1.19

Boric acid (H3BO3) (10043-35-3)	
BCF fish 1	0
Log Pow	-0.757 (at 25 °C)

Petroleum distillates, hydrotreated light (64742-47-8)	
BCF fish 1	61 - 159

2,6-Di-tert-butyl-p-cresol (128-37-0)	
BCF fish 1	230 - 2500
Log Pow	4.17

12.4. Mobility in soil

Ethyl alcohol (64-17-5)	
Log Pow	-0.32

Methyl alcohol (67-56-1)	
Log Pow	-0.77

Ethyl acetate (141-78-6)	
Log Pow	0.6

2-Pentanone, 4-methyl- (108-10-1)	
Log Pow	1.19

Boric acid (H3BO3) (10043-35-3)	
Log Pow	-0.757 (at 25 °C)

2,6-Di-tert-butyl-p-cresol (128-37-0)	
Log Pow	4.17

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

Not regulated for transport

14.2. Transport information/DOT

Department of Transport

Not regulated for transport

14.3. Air and sea transport

IMDG

Not regulated for transport

IATA

Not regulated for transport

SECTION 15: Regulatory information

15.1. National regulations

Potassium fluoride (K(HF2)) (7789-29-9)
Listed on the Canadian DSL (Domestic Substances List)

Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(nonylphenoxy)-, branched, ammonium salt **(68649-55-8)**
Listed on the Canadian DSL (Domestic Substances List)

Ethyl alcohol (64-17-5)
Listed on the Canadian DSL (Domestic Substances List)

Methyl alcohol (67-56-1)
Listed on the Canadian DSL (Domestic Substances List)

Ethyl acetate (141-78-6)
Listed on the Canadian DSL (Domestic Substances List)

2-Pentanone, 4-methyl- (108-10-1)
Listed on the Canadian DSL (Domestic Substances List)

Polyethylene glycol branched nonylphenyl ether (68412-54-4)
Listed on the Canadian DSL (Domestic Substances List)

Boric acid (H3BO3) (10043-35-3)
Listed on the Canadian DSL (Domestic Substances List)

Borate(1-), tetrafluoro-, potassium (14075-53-7)
Listed on the Canadian DSL (Domestic Substances List)

Carbonic acid, dipotassium salt (584-08-7)
Listed on the Canadian DSL (Domestic Substances List)

Petroleum distillates, hydrotreated light (64742-47-8)
Listed on the Canadian DSL (Domestic Substances List)

2,6-Di-tert-butyl-p-cresol (128-37-0)
Listed on the Canadian DSL (Domestic Substances List)

Polyisobutylene (9003-27-4)
Listed on the Canadian DSL (Domestic Substances List)

Boron (7440-42-8)
Listed on the Canadian DSL (Domestic Substances List)

Magnesium (7439-95-4)
Listed on the Canadian DSL (Domestic Substances List)

Silver (7440-22-4)
Listed on the Canadian DSL (Domestic Substances List)

Copper (7440-50-8)
Listed on the Canadian DSL (Domestic Substances List)

Nickel (7440-02-0)
Listed on the Canadian DSL (Domestic Substances List)

Tin (7440-31-5)
Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

Potassium fluoride (K(HF2)) (7789-29-9)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Japanese Pollutant Release and Transfer Register Law (PRTR Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(nonylphenoxy)-, branched, ammonium salt **(68649-55-8)**

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Ethyl alcohol (64-17-5)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

Methyl alcohol (67-56-1)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Japanese Poisonous and Deleterious Substances Control Law
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

Ethyl acetate (141-78-6)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Japanese Poisonous and Deleterious Substances Control Law
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

2-Pentanone, 4-methyl- (108-10-1)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

Polyethylene glycol branched nonylphenyl ether (68412-54-4)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Japanese Pollutant Release and Transfer Register Law (PRTR Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

Boric acid (H3BO3) (10043-35-3)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Japanese Pollutant Release and Transfer Register Law (PRTR Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

Borate(1-), tetrafluoro-, potassium (14075-53-7)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Japanese Poisonous and Deleterious Substances Control Law
Japanese Pollutant Release and Transfer Register Law (PRTR Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Carbonic acid, dipotassium salt (584-08-7)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

Petroleum distillates, hydrotreated light (64742-47-8)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

2,6-Di-tert-butyl-p-cresol (128-37-0)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Japanese Pollutant Release and Transfer Register Law (PRTR Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

Polyisobutylene (9003-27-4)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Boron (7440-42-8)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Magnesium (7439-95-4)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

Silver (7440-22-4)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Japanese Pollutant Release and Transfer Register Law (PRTR Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

Copper (7440-50-8)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

Nickel (7440-02-0)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Japanese Pollutant Release and Transfer Register Law (PRTR Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

Tin (7440-31-5)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

SECTION 16: Other information

Date of issue : 29 November 2017

Full text of H-statements:

H225	Highly flammable liquid and vapour.
H228	Flammable solid.
H260	In contact with water releases flammable gases which may ignite spontaneously.
H290	May be corrosive to metals.

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H320	Causes eye irritation
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H360	May damage fertility or the unborn child.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.

SDS Canada (GHS)

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.