

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Product name : PRO FINISH SILICONE STOPPERS
Product code : PPD560, 561, 562

1.2. Recommended use and restrictions on use

Recommended uses and restrictions : Silicone levelers

1.3. Supplier

Distributor

Dover Finishing Products, Inc.
180 Avenue du Voyageur
Pointe-Claire, QC, H9R 6A8
Canada
T 514-420-6030
dfpservice@dfp.ca

1.4. Emergency telephone number

Emergency number : 1-800-354-4445

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Flam. Aerosol 1	H222	Extremely flammable aerosol.
Press. Gas (Liq.)	H280	Contains gas under pressure; may explode if heated.
Acute Tox. 4 (Oral)	H302	Harmful if swallowed.
Acute Tox. 4 (Inhalation:dust,mist)	H332	Harmful if inhaled.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Dam. 1	H318	Causes serious eye damage.
Carc. 2	H351	Suspected of causing cancer.
Repr. 1B	H360	May damage fertility or the unborn child.
STOT SE 2	H371	May cause damage to organs.
STOT SE 3	H336	May cause drowsiness or dizziness.
STOT RE 1	H372	Causes damage to organs through prolonged or repeated exposure.

2.2. GHS Label elements, including precautionary statements

GHS-CA labelling

Hazard pictograms (GHS-CA) :



Signal word (GHS CA) : Danger

Hazard statements (GHS-CA) : H222 - Extremely flammable aerosol.
H280 - Contains gas under pressure; may explode if heated.
H302+H332 - Harmful if swallowed or if inhaled

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Precautionary statements (GHS-CA)	<p>H315 - Causes skin irritation. H318 - Causes serious eye damage. H336 - May cause drowsiness or dizziness. H351 - Suspected of causing cancer. H360 - May damage fertility or the unborn child. H371 - May cause damage to organs. H372 - Causes damage to organs through prolonged or repeated exposure.</p> <p>: 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. P211 - Do not spray on an open flame or other ignition source. P251 - Do not pierce or burn, even after use. P260 - Do not breathe dust, fume, gas, spray, mist, vapours. P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area. P280 - Wear eye protection, face protection, protective clothing, protective gloves. P308+P311 - IF exposed or concerned: Call a POISON CENTER or doctor. P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. P330 - Rinse mouth. P312 - Call a POISON CENTER or doctor if you feel unwell. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P302+P352 - IF ON SKIN: Wash with plenty of water. P362+P364 - Take off contaminated clothing and wash it before reuse. P332+P313 - If skin irritation occurs: Get medical advice/attention. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER or doctor. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up. P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.</p>
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2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

14% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
9% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%
Acetone	Dimethyl ketone 2-Propanone ACETONE Propan-2-one Propanone	CAS-No.: 67-64-1	30 – 60

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Name	Chemical name / Synonyms	Product identifier	%
2-Pentanone, 4-methyl-	Hexone Isobutyl methyl ketone Isopropylacetone Methyl isobutyl ketone 4-Methyl-2-pentanone 2-Methyl-4-pentanone 4-Methylpentan-2-one MIBK Pentan-2-one, 4-methyl-	CAS-No.: 108-10-1	15 - 40
Xylenes (o-, m-, p- isomers)	Benzene, dimethyl- Dimethylbenzene (mixed isomers) Xylene Xylene (all isomers) Xylene (mixed isomers) Xylene (o-, m-, p- isomers) Xylenes Xylenes (mixed isomers) Dimethylbenzene Xylol Benzene, dimethyl-, mixed isomers XYLENE Dimethylbenzenes Xylene isomers mixture Dimethylbenzene (2-, 3-, 4-isomers) Dimethylbenzene (mixed 2-, 3-, 4-isomers) C8 Disubstituted benzenes Xylene, mixed isomers Xylenes (meta-, ortho-, para-) Xylene (mixture), including m-xylene, o-xylene, p-xylene Xylene (o-,m-,p- isomer mixture)	CAS-No.: 1330-20-7	3 - 10
Isobutane	2-Methylpropane Propane, 2-methyl- ISOBUTANE R600a isobutane R-600a	CAS-No.: 75-28-5	3 - 7
Toluene	toluene Benzene, methyl- Methylbenzene Phenylmethane TOLUENE	CAS-No.: 108-88-3	1 - 5
Methanol	methanol METHYL ALCOHOL Wood alcohol Methyl hydroxide Carbinol Methyl alcohol	CAS-No.: 67-56-1	1 - 5

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Name	Chemical name / Synonyms	Product identifier	%
n-Butyl acetate	1-Butyl acetate Butyl acetate, n- Butyl acetate BUTYL ACETATE Acetic acid, n-butyl ester Acetic acid, butyl ester Butyl ethanoate N-butyl acetate	CAS-No.: 123-86-4	1 - 5
Phosphoric acid, monobutyl ester	Butyl dihydrogen phosphate Mono-n-butylphosphoric acid	CAS-No.: 1623-15-0	1 - 5
Isobutyl alcohol	1-Propanol, 2-methyl- 2-Methyl-1-propanol 2-Methylpropan-1-ol Isobutanol Butanol, iso- 2-Methylpropanol 2-METHYLPROPANOL	CAS-No.: 78-83-1	1 - 5
Isopropyl alcohol	2-Hydroxypropane 2-Propyl alcohol 2-Propanol Isopropanol Propan-2-ol ISOPROPYL ALCOHOL Propanol, 2- Isopropyl alcohol	CAS-No.: 67-63-0	1 - 5
2-butoxyethanol	2-Butoxy-1-ethanol Butoxyethanol Ethanol, 2-butoxy- Ethylene glycol monobutyl ether Ethylene glycol n-butyl ether Hydroxyethyl butyl ether Ethylene glycol butyl ether 2-Butoxyethan-1-ol Ethylene glycol mono-n-butyl ether 2-n-Butoxyethanol Butyl glycol BUTOXYETHANOL EGBE EGMBE Butoxyethanol, 2- Butyl Cellosolve Monobutyl ether of ethyleneglycol	CAS-No.: 111-76-2	0.1 - 1

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Name	Chemical name / Synonyms	Product identifier	%
Propylene glycol monomethyl ether	1-Methoxy-2-propanol 1-Methoxypropanol-2 METHOXYISOPROPANOL Methoxyisopropanol Propylene glycol methyl ether Propylene glycol 1-methyl ether Propan-2-ol, 1-methoxy- 1-Methoxypropan-2-ol 1-Methoxy-2-hydroxypropane 2-Methoxy-1-methylethanol Propylene glycol monomethyl ether 2-Propylene glycol 1-monomethyl ether Methyl proxitol Monomethyl ether of propylene glycol Propyleneglycol monomethyl ether Propanol, methoxy-	CAS-No.: 107-98-2	0.1 - 1
Ethylbenzene	Benzene, ethyl- Phenylethane ETHYLBENZENE	CAS-No.: 100-41-4	0.1 - 1
Dibutyl phosphate	Phosphoric acid, dibutyl ester Dibutyl hydrogen phosphate Di-n-butyl phosphate	CAS-No.: 107-66-4	0.1 - 1

Comments : *Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: If inhaled: Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	: IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
First-aid measures after ingestion	: IF SWALLOWED: Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting unless directed to do so by medical personnel. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures general	: IF exposed or concerned: Call a POISON CENTER/doctor.

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

Symptoms/effects after inhalation	: Harmful if inhaled. May cause irritation to the respiratory tract. May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/effects after ingestion	: Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms	: Suspected of causing cancer. May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment	: Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
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SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Carbon dioxide (CO₂), dry chemical powder, foam.

5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Do not use water jet.

5.3. Specific hazards arising from the hazardous product

Fire hazard : Extremely flammable aerosol. Products of combustion may include, and are not limited to: oxides of carbon. Irritating vapours. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.

Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Ruptured cylinders may rocket.

5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. DO NOT fight fire when fire reaches explosives. Move containers away from the fire area if this can be done without risk. Cool closed containers exposed to fire with water spray.

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate every possible source of ignition. Use only non-sparking tools. Use special care to avoid static electric charges. Isolate from fire, if possible, without unnecessary risk.

6.2. Methods and materials for containment and cleaning up

For containment : Stop leak if safe to do so. Eliminate every possible source of ignition. Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.

Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

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 : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not pierce or burn, even after use. Do not swallow. Do not breathe dust, fume, gas, mist, spray, vapours. Do not get in eyes, on skin, or on clothing. Handle and open container with care. When using do not eat, drink or smoke. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Use only outdoors or in a well-ventilated area.

Hygiene measures : Wash contaminated clothing before reuse. Wash hands, forearms and face thoroughly after handling.

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Additional hazards when processed : Hazardous waste due to potential risk of explosion.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.
Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Do not expose to temperatures exceeding 50 °C/ 122 °F. Protect containers from physical damage. Store away from direct sunlight or other heat sources. Keep in fireproof place. Store locked up.
Incompatible materials : Strong oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Acetone (67-64-1)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Acetone
ACGIH OEL TWA	250 ppm
ACGIH OEL STEL	500 ppm
Remark (ACGIH)	TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
ACGIH chemical category	Not Classifiable as a Human Carcinogen
Regulatory reference	ACGIH 2024
USA - ACGIH - Biological Exposure Indices	
Local name	Acetone
BEI	25 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift (nonspecific)
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Acetone
OSHA PEL TWA	2400 mg/m ³ 1000 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
Isobutane (75-28-5)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Isobutane
ACGIH OEL STEL	1000 ppm (EX - Explosion hazard)
Remark (ACGIH)	TLV® Basis: CNS impair
Regulatory reference	ACGIH 2021
2-butoxyethanol (111-76-2)	
USA - ACGIH - Occupational Exposure Limits	
Local name	2-Butoxyethanol (EGBE)
ACGIH OEL TWA	20 ppm

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2-butoxyethanol (111-76-2)	
Remark (ACGIH)	TLV® Basis: Eye & URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
Regulatory reference	ACGIH 2020
USA - ACGIH - Biological Exposure Indices	
BEI	200 mg/g creatinine Parameter: Butoxyacetic acid with hydrolysis - Medium: urine - Sampling time: end of shift
USA - OSHA - Occupational Exposure Limits	
Local name	2-Butoxyethanol
OSHA PEL TWA	240 mg/m ³ 50 ppm
Limit value category (OSHA)	prevent or reduce skin absorption
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
Propylene glycol monomethyl ether (107-98-2)	
USA - ACGIH - Occupational Exposure Limits	
Local name	1-Methoxy-2-propanol
ACGIH OEL TWA	50 ppm
ACGIH OEL STEL	100 ppm
Remark (ACGIH)	TLV® Basis: Eye & URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
ACGIH chemical category	Not Classifiable as a Human Carcinogen
Regulatory reference	ACGIH 2020
Toluene (108-88-3)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Toluene
ACGIH OEL TWA	20 ppm
Remark (ACGIH)	TLV® Basis: CNS, visual & hearing impair; female repro system eff; pregnancy loss. Notations: OTO; A4 (Not classifiable as a Human Carcinogen); BEI
ACGIH chemical category	Not Classifiable as a Human Carcinogen
Regulatory reference	ACGIH 2024
USA - ACGIH - Biological Exposure Indices	
Local name	Toluene
BEI	0.02 mg/l Parameter: Toluene - Medium: blood - Sampling time: prior to last shift of workweek 0.03 mg/l Parameter: Toluene - Medium: urine - Sampling time: end of shift 0.3 mg/g creatinine Parameter: o-Cresol with hydrolysis - Medium: urine - Sampling time: end of shift (background)
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Toluene
OSHA PEL TWA	200 ppm

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Toluene (108-88-3)	
OSHA PEL C	300 ppm
Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift	500 ppm Peak (10 minutes)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-2
Methanol (67-56-1)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	200 ppm
ACGIH OEL STEL	250 ppm
ACGIH chemical category	Skin - potential significant contribution to overall exposure by the cutaneous route
USA - ACGIH - Biological Exposure Indices	
BEI	15 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift (background, nonspecific)
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA	260 mg/m ³
	200 ppm
Xylenes (o-, m-, p- isomers) (1330-20-7)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA - ACGIH - Biological Exposure Indices	
BEI	1.5 g/g creatinine Parameter: Methylhippuric acids - Medium: urine - Sampling time: end of shift (technical or commercial grade)
USA - OSHA - Occupational Exposure Limits	
Local name	Xylenes (o-, m-, p-isomers)
OSHA PEL TWA	435 mg/m ³
	100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
Isopropyl alcohol (67-63-0)	
USA - ACGIH - Occupational Exposure Limits	
Local name	2-Propanol
ACGIH OEL TWA	200 ppm
ACGIH OEL STEL	400 ppm
Remark (ACGIH)	TLV® Basis: Eye & URT irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
ACGIH chemical category	Not Classifiable as a Human Carcinogen
Regulatory reference	ACGIH 2023
USA - ACGIH - Biological Exposure Indices	
Local name	2-PROPANOL
BEI	40 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift at end of workweek (background, nonspecific)

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Isopropyl alcohol (67-63-0)	
Regulatory reference	ACGIH 2023
USA - OSHA - Occupational Exposure Limits	
Local name	Isopropyl alcohol
OSHA PEL TWA	980 mg/m ³ 400 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
n-Butyl acetate (123-86-4)	
USA - ACGIH - Occupational Exposure Limits	
Local name	n-Butyl acetate
ACGIH OEL TWA	50 ppm (Butyl acetates, all isomers)
ACGIH OEL STEL	150 ppm (Butyl acetates, all isomers)
Remark (ACGIH)	TLV® Basis: Eye & URT irr
Regulatory reference	ACGIH 2020
USA - OSHA - Occupational Exposure Limits	
Local name	n-Butyl-acetate
OSHA PEL TWA	710 mg/m ³ 150 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
Ethylbenzene (100-41-4)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
USA - ACGIH - Biological Exposure Indices	
BEI	0.15 g/g creatinine Parameter: Sum of mandelic acid and phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific)
USA - OSHA - Occupational Exposure Limits	
Local name	Ethyl benzene
OSHA PEL TWA	435 mg/m ³ 100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1 OSHA Annotated Table Z-1
Dibutyl phosphate (107-66-4)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	5 mg/m ³ (inhalable fraction and vapor)
ACGIH chemical category	Skin - potential significant contribution to overall exposure by the cutaneous route
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA	5 mg/m ³ 1 ppm

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2-Pentanone, 4-methyl- (108-10-1)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Methyl isobutyl ketone
ACGIH OEL TWA	20 ppm
ACGIH OEL STEL	75 ppm
Remark (ACGIH)	TLV® Basis: URT irr; dizziness; headache. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
Regulatory reference	ACGIH 2021
USA - ACGIH - Biological Exposure Indices	
Local name	METHYL ISOBUTYL KETONE
BEI	1 mg/l Parameter: MIBK - Medium: urine - Sampling time: end of shift
Regulatory reference	ACGIH 2021
USA - OSHA - Occupational Exposure Limits	
Local name	Hexone (Methyl isobutyl ketone)
OSHA PEL TWA	410 mg/m ³ 100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1 OSHA Annotated Table Z-1
Isobutyl alcohol (78-83-1)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	50 ppm
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA	300 mg/m ³ 100 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.
Environmental exposure controls	: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:
Wear suitable gloves resistant to chemical penetration. Consult glove manufacturer's product information on material suitability and material thickness.
Eye protection:
Wear eye/face protection
Skin and body protection:
Wear suitable protective clothing

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Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. SDSs cannot provide detailed and complete respiratory protection guidelines. Selection of respiratory protection must be done by a qualified person who has assessed the work environment.

Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Viscous liquid. Aerosol.
Colour	: No data available
Odour	: Solvent
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: Slower than ether
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 56 – 171 °C
Flash point	: -104 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Extremely flammable aerosol.
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: Heavier than air
Solubility	: No data available
Partition coefficient n-octanol/water	: No data available
Viscosity, kinematic	: No data available
Explosive limits	: Lower explosion limit: 1.8 vol % (Methanol) Upper explosion limit: 36.5 vol % (Methanol)

Acetone (67-64-1)

Boiling point	56.05 °C (at 1013.25 hPa)
Flash point	-20 °C
Auto-ignition temperature	465 °C
Vapour pressure	233 hPa (at 20 °C)

Isobutane (75-28-5)

Boiling point	-161.48 °C (at 1013 hPa)
Flash point	-88.6 °C
Auto-ignition temperature	460 °C
Vapour pressure	2100 hPa (at 20 °C)

2-butoxyethanol (111-76-2)

Boiling point	(>171 - <171.5 °C - at 1 atm)
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2-butoxyethanol (111-76-2)	
Flash point	67 °C (closed cup)
Auto-ignition temperature	230 °C
Vapour pressure	0.8 hPa Temp.: 20 °C

Propylene glycol monomethyl ether (107-98-2)	
Boiling point	120.17 °C Atm. press.: 101325 Pa Decomposition: 'no'
Flash point	31.1 °C Atm. press.: 101,3 hPa
Auto-ignition temperature	287 °C (at 1013 hPa)
Vapour pressure	11.5 hPa (at 20 °C)

Toluene (108-88-3)	
Boiling point	110.6 °C Atm. press.: 1013 hPa Decomposition: 'no'
Flash point	4.4 °C Atm. press.: 1013 hPa
Auto-ignition temperature	480 °C
Vapour pressure	29.3 hPa Temp.: 20 °C

Methanol (67-56-1)	
Boiling point	64.7 °C Atm. press.: 1013 hPa
Flash point	9.7 °C Atm. press.: 1013 hPa
Auto-ignition temperature	464 °C
Vapour pressure	169.27 hPa Temp.: 25 °C

Xylenes (o-, m-, p- isomers) (1330-20-7)	
Boiling point	138.3 – 141.4 °C
Auto-ignition temperature	465 – 525 °C
Vapour pressure	8.8 – 11.9 hPa (at 25 °C)

Isopropyl alcohol (67-63-0)	
Boiling point	82.3 °C (at 1 atm)
Flash point	12 °C
Auto-ignition temperature	399 °C
Vapour pressure	42 hPa (at 20 °C)

n-Butyl acetate (123-86-4)	
Boiling point	125 – 126 °C (at 1 atm)
Flash point	22 °C
Auto-ignition temperature	425 °C
Vapour pressure	13 hPa (at 20 °C)

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Ethylbenzene (100-41-4)	
Boiling point	136.1 °C (at 1013.3 hPa)
Flash point	12.8 °C (closed cup)
Auto-ignition temperature	432 °C (at 1013 hPa)
Vapour pressure	9.5 hPa (at 20 °C)

Dibutyl phosphate (107-66-4)	
Flash point	178 °C (closed cup)
Vapour pressure	< 1 mm Hg (at 20 °C)

2-Pentanone, 4-methyl- (108-10-1)	
Boiling point	114 – 117 °C
Flash point	18 °C
Auto-ignition temperature	448 °C
Vapour pressure	20 hPa (at 20 °C)

Isobutyl alcohol (78-83-1)	
Boiling point	108 °C (at 1013 hPa)
Flash point	27 °C (closed cup)
Auto-ignition temperature	415 °C
Vapour pressure	4 – 40 hPa (at 20 °C)

9.2. Other information

Gas group : Press. Gas (Liq.)

SECTION 10: Stability and reactivity

Reactivity	: No dangerous reactions known under normal conditions of use.
Chemical stability	: Stable under normal conditions. Extremely flammable aerosol. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Extreme risk of explosion by shock, friction, fire or other sources of ignition.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Heat. Sparks. Open flame. Direct sunlight. Overheating. Incompatible materials.
Incompatible materials	: Strong oxidizers. Reducing agents. Strong acids.
Hazardous decomposition products	: May include, and are not limited to: oxides of carbon. Irritating vapours.
Hardening time:	: No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Inhalation:dust,mist: Harmful if inhaled.

ATE CA (oral)	1296.89 mg/kg bodyweight
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ATE CA (dust,mist)	2.609 mg/l/4h
Unknown acute toxicity (GHS CA)	14% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 9% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))
Acetone (67-64-1)	
LD50 oral rat	5800 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 15700 mg/kg (Source: OECD_SIDS)
LC50 inhalation rat	50100 mg/m ³ (Exposure time: 8 h Source: OECD_SIDS)
ATE CA (oral)	5800 mg/kg bodyweight
ATE CA (vapours)	50.1 mg/l/4h
ATE CA (dust,mist)	50.1 mg/l/4h
Isobutane (75-28-5)	
LC50 inhalation rat	> 800000 ppm (Exposure time: 15 min Source: ECHA_API)
2-butoxyethanol (111-76-2)	
LD50 oral rat	1200 mg/kg
LD50 oral	1414 mg/kg bodyweight Animal: guinea pig, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1020 - 1961
LD50 dermal rabbit	435 mg/kg (Source: OECD_SIDS)
LC50 inhalation rat	3 mg/l
LC50 inhalation rat	486 ppm/4h
ATE CA (oral)	1200 mg/kg bodyweight
ATE CA (Dermal)	435 mg/kg bodyweight
ATE CA (Gases)	486 ppmv/4h
ATE CA (vapours)	3 mg/l/4h
ATE CA (dust,mist)	3 mg/l/4h
Propylene glycol monomethyl ether (107-98-2)	
LD50 oral rat	5000 mg/kg (Source: JAPAN_GHS)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: EU Method B.3 (Acute Toxicity (Dermal))
LD50 dermal rabbit	13 g/kg (Source: NLM_CIP)
LC50 inhalation rat	> 7559 ppm (Exposure time: 6 h Source: OECD_SIDS)
ATE CA (oral)	5000 mg/kg bodyweight
ATE CA (Dermal)	13000 mg/kg bodyweight
Toluene (108-88-3)	
LD50 oral rat	5580 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: EU Method B.1 (Acute Toxicity (Oral)), 95% CL: 5300 - 5910
LD50 oral	5000 mg/kg
LD50 dermal rabbit	12000 mg/kg (Source: JAPAN_GHS)
LC50 inhalation rat	12.5 mg/l/4h
ATE CA (oral)	2600 mg/kg bodyweight

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Toluene (108-88-3)	
ATE CA (Dermal)	12000 mg/kg bodyweight
ATE CA (Gases)	4500 ppmv/4h
ATE CA (vapours)	12.5 mg/l/4h
ATE CA (dust,mist)	1.5 mg/l/4h
Methanol (67-56-1)	
LD50 oral rat	1187 – 2769 mg/kg bodyweight Animal: rat
LD50 dermal rabbit	15840 mg/kg (Source: NLM_HSDB)
LC50 inhalation rat	64000 ppm/4h
ATE CA (oral)	100 mg/kg bodyweight
ATE CA (Dermal)	300 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
Xylenes (o-, m-, p- isomers) (1330-20-7)	
LD50 oral rat	3500 mg/kg (Source: JAPAN_GHS)
LD50 dermal rabbit	> 4350 mg/kg (Source: JAPAN_GHS)
LD50 dermal	1700 mg/kg
LC50 inhalation rat	29.08 mg/l/4h
LC50 Inhalation - Rat (Vapours)	27.57 mg/l/4h
ATE CA (oral)	3500 mg/kg bodyweight
ATE CA (Dermal)	1700 mg/kg bodyweight
ATE CA (vapours)	27.57 mg/l/4h
ATE CA (dust,mist)	29.08 mg/l/4h
Isopropyl alcohol (67-63-0)	
LD50 oral rat	5045 mg/kg
LD50 dermal rabbit	4059 mg/kg (Source: JAPAN_GHS)
LC50 inhalation rat	> 10000 ppm (Exposure time: 6 h Source: ECHA_API)
ATE CA (oral)	5045 mg/kg bodyweight
ATE CA (Dermal)	4059 mg/kg bodyweight
n-Butyl acetate (123-86-4)	
LD50 oral rat	10768 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 17600 mg/kg (Source: NLM_CIP)
ATE CA (oral)	10768 mg/kg bodyweight
Ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg (Source: JAPAN_GHS)
LD50 dermal rabbit	15400 mg/kg (Source: JAPAN_GHS)

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Ethylbenzene (100-41-4)	
LC50 inhalation rat	17.4 mg/l/4h
ATE CA (oral)	3500 mg/kg bodyweight
ATE CA (Dermal)	15400 mg/kg bodyweight
ATE CA (Gases)	4500 ppmv/4h
ATE CA (vapours)	17.4 mg/l/4h
ATE CA (dust,mist)	1.5 mg/l/4h
Dibutyl phosphate (107-66-4)	
LD50 oral rat	3200 mg/kg (Source: JAPAN_GHS)
ATE CA (oral)	3200 mg/kg bodyweight
2-Pentanone, 4-methyl- (108-10-1)	
LD50 oral rat	2080 mg/kg (Source: JAPAN_GHS)
LD50 dermal rabbit	3000 mg/kg (Source: JAPAN_GHS)
LC50 inhalation rat	11.6 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
LC50 inhalation rat	2000 – 4000 ppm/4h
ATE CA (oral)	2080 mg/kg bodyweight
ATE CA (Dermal)	3000 mg/kg bodyweight
ATE CA (Gases)	2000 ppmv/4h
ATE CA (vapours)	11 mg/l/4h
ATE CA (dust,mist)	1.5 mg/l/4h
Isobutyl alcohol (78-83-1)	
LD50 oral rat	2460 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	3400 mg/kg (Source: NLM_CIP)
LC50 inhalation rat	> 18.18 mg/l (Exposure time: 6 h Source: ECHA_API)
ATE CA (oral)	2460 mg/kg bodyweight
ATE CA (Dermal)	3400 mg/kg bodyweight
Skin corrosion/irritation	: Causes skin irritation.
n-Butyl acetate (123-86-4)	
pH	6.2 Temp.: 20 °C Concentration: (≈)5 g/L
Serious eye damage/irritation	: Causes serious eye damage.
n-Butyl acetate (123-86-4)	
pH	6.2 Temp.: 20 °C Concentration: (≈)5 g/L
Respiratory or skin sensitization	: Not classified.
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Suspected of causing cancer.
2-butoxyethanol (111-76-2)	
IARC group	3 - Not classifiable

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Toluene (108-88-3)	
IARC group	3 - Not classifiable
Xylenes (o-, m-, p- isomers) (1330-20-7)	
IARC group	3 - Not classifiable
Isopropyl alcohol (67-63-0)	
IARC group	3 - Not classifiable
Ethylbenzene (100-41-4)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity
2-Pentanone, 4-methyl- (108-10-1)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity
Reproductive toxicity	: May damage fertility or the unborn child.
Acetone (67-64-1)	
LOAEL (animal/female, F0/P)	11298 mg/kg bodyweight Animal: mouse, Animal sex: female
NOAEL (animal/male, F0/P)	900 mg/kg bodyweight Animal: rat, Animal sex: male
Methanol (67-56-1)	
NOAEL (animal/male, F0/P)	< 1000 mg/kg bodyweight Animal: mouse, Animal sex: male
STOT-single exposure	: May cause damage to organs. May cause drowsiness or dizziness.
Acetone (67-64-1)	
STOT-single exposure	May cause drowsiness or dizziness.
2-butoxyethanol (111-76-2)	
STOT-single exposure	May cause respiratory irritation.
Propylene glycol monomethyl ether (107-98-2)	
STOT-single exposure	May cause drowsiness or dizziness.
Toluene (108-88-3)	
STOT-single exposure	May cause drowsiness or dizziness.
Methanol (67-56-1)	
STOT-single exposure	Causes damage to organs. May cause drowsiness or dizziness.
Xylenes (o-, m-, p- isomers) (1330-20-7)	
STOT-single exposure	May cause drowsiness or dizziness.
Isopropyl alcohol (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.
n-Butyl acetate (123-86-4)	
STOT-single exposure	May cause drowsiness or dizziness.
2-Pentanone, 4-methyl- (108-10-1)	
STOT-single exposure	May cause drowsiness or dizziness.

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Isobutyl alcohol (78-83-1)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Causes damage to organs through prolonged or repeated exposure.
2-butoxyethanol (111-76-2)	
NOAEL (dermal, rat/rabbit, 90 days)	> 150 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study), Remarks on results: other:
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Propylene glycol monomethyl ether (107-98-2)	
LOAEL (oral, rat, 90 days)	2757 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)
NOAEL (oral, rat, 90 days)	919 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	> 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
Toluene (108-88-3)	
LOAEL (oral, rat, 90 days)	1250 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (oral, rat, 90 days)	625 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation, rat, vapour, 90 days)	2.355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Xylenes (o-, m-, p- isomers) (1330-20-7)	
LOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)
n-Butyl acetate (123-86-4)	
LOAEL (oral, rat, 90 days)	500 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.2650 (90-Day Oral Toxicity in Rodents)
NOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.2650 (90-Day Oral Toxicity in Rodents)
Ethylbenzene (100-41-4)	
NOAEL (oral, rat, 90 days)	75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
2-Pentanone, 4-methyl- (108-10-1)	
LOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
NOAEC (inhalation, rat, vapour, 90 days)	4.106 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)

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Isobutyl alcohol (78-83-1)	
NOAEL (oral, rat, 90 days)	> 1450 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Aspiration hazard : Not classified.

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Vaporizer	Aerosol

Acetone (67-64-1)	
Animal studies and expert judgment for classification	False

Isobutane (75-28-5)	
Animal studies and expert judgment for classification	False

2-butoxyethanol (111-76-2)	
Animal studies and expert judgment for classification	False

Propylene glycol monomethyl ether (107-98-2)	
Viscosity, kinematic	1.848 mm ² /s
Animal studies and expert judgment for classification	False

Toluene (108-88-3)	
Viscosity, kinematic	0.643 mm ² /s
Animal studies and expert judgment for classification	False

Methanol (67-56-1)	
Animal studies and expert judgment for classification	False

Xylenes (o-, m-, p- isomers) (1330-20-7)	
Animal studies and expert judgment for classification	False

Isopropyl alcohol (67-63-0)	
Animal studies and expert judgment for classification	False

n-Butyl acetate (123-86-4)	
Viscosity, kinematic	0.83 mm ² /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm ² /s)'
Animal studies and expert judgment for classification	False

Ethylbenzene (100-41-4)	
Viscosity, kinematic	0.6 mm ² /s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm ² /s)' Remarks on result: 'other:'
Animal studies and expert judgment for classification	False

Dibutyl phosphate (107-66-4)	
Animal studies and expert judgment for classification	False

Phosphoric acid, monobutyl ester (1623-15-0)	
Animal studies and expert judgment for classification	False

2-Pentanone, 4-methyl- (108-10-1)	
Animal studies and expert judgment for classification	False

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Isobutyl alcohol (78-83-1)	
Viscosity, kinematic	3870.276 mm ² /s
Animal studies and expert judgment for classification	False
Symptoms/effects after inhalation	: Harmful if inhaled. May cause irritation to the respiratory tract. May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/effects after ingestion	: Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea. None under normal use.
Chronic symptoms	: Suspected of causing cancer. May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: May cause long-term adverse effects in the aquatic environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified.

Acetone (67-64-1)	
LC50 - Fish [1]	4.74 – 6.33 ml/l (Exposure time: 96 h - Species: <i>Oncorhynchus mykiss</i> Source: EPA)
LC50 - Fish [2]	6210 – 8120 mg/l (Exposure time: 96 h - Species: <i>Pimephales promelas</i> [static] Source: IUCLID)
EC50 - Crustacea [1]	10294 – 17704 mg/l (Exposure time: 48 h - Species: <i>Daphnia magna</i> [Static])
EC50 - Crustacea [2]	12600 – 12700 mg/l (Exposure time: 48 h - Species: <i>Daphnia magna</i>)
NOEC (chronic)	≥ 79 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'
LOEC (chronic)	> 79 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'

2-butoxyethanol (111-76-2)	
LC50 - Fish [1]	1474 mg/l Test organisms (species): <i>Oncorhynchus mykiss</i> (previous name: <i>Salmo gairdneri</i>)
LC50 - Fish [2]	2950 mg/l (Exposure time: 96 h - Species: <i>Lepomis macrochirus</i> Source: IUCLID)
EC50 - Crustacea [1]	≈ 1800 mg/l Test organisms (species): <i>Daphnia magna</i>
EC50 72h - Algae [1]	911 mg/l Test organisms (species): <i>Pseudokirchneriella subcapitata</i> (previous names: <i>Raphidocelis subcapitata</i> , <i>Selenastrum capricornutum</i>)
EC50 72h - Algae [2]	1840 mg/l Test organisms (species): <i>Pseudokirchneriella subcapitata</i> (previous names: <i>Raphidocelis subcapitata</i> , <i>Selenastrum capricornutum</i>)
NOEC chronic fish	> 100 mg/l Test organisms (species): <i>Danio rerio</i> (previous name: <i>Brachydanio rerio</i>) Duration: '21 d'
NOEC (chronic)	100 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'

Propylene glycol monomethyl ether (107-98-2)	
LC50 - Fish [1]	20.8 g/l (Exposure time: 96 h - Species: <i>Pimephales promelas</i> [static] Source: IUCLID)
EC50 - Crustacea [1]	23300 mg/l (Exposure time: 48 h - Species: <i>Daphnia magna</i>)

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Propylene glycol monomethyl ether (107-98-2)	
EC50 - Other aquatic organisms [1]	2954 mg/l Test organisms (species): other aquatic crustacea: <i>Acartia tonsa</i>
Toluene (108-88-3)	
LC50 - Fish [1]	5.5 mg/l Test organisms (species): <i>Oncorhynchus kisutch</i>
LC50 - Fish [2]	12.6 mg/l (Exposure time: 96 h - Species: <i>Pimephales promelas</i> [static] Source: EPA)
EC50 - Crustacea [1]	5.46 – 9.83 mg/l (Exposure time: 48 h - Species: <i>Daphnia magna</i> [Static])
EC50 - Crustacea [2]	11.5 mg/l (Exposure time: 48 h - Species: <i>Daphnia magna</i>)
EC50 72h - Algae [1]	12.5 mg/l (Species: <i>Pseudokirchneriella subcapitata</i> [static])
EC50 96h - Algae [1]	> 433 mg/l (Species: <i>Pseudokirchneriella subcapitata</i>)
NOEC chronic fish	1.39 mg/l Test organisms (species): <i>Oncorhynchus kisutch</i> Duration: '40 d'
NOEC (chronic)	0.74 mg/l Test organisms (species): <i>Ceriodaphnia dubia</i> Duration: '7 d'
NOEC chronic crustacea	0.74 mg/l
LOEC (chronic)	2.76 mg/l Test organisms (species): <i>Ceriodaphnia dubia</i> Duration: '7 d'
Methanol (67-56-1)	
LC50 - Fish [1]	15400 mg/l Test organisms (species): <i>Lepomis macrochirus</i>
LC50 - Fish [2]	> 100 mg/l (Exposure time: 96 h - Species: <i>Pimephales promelas</i> [static] Source: EPA)
EC50 96h - Algae [1]	≈ 22000 mg/l Test organisms (species): <i>Pseudokirchneriella subcapitata</i> (previous names: <i>Raphidocelis subcapitata</i> , <i>Selenastrum capricornutum</i>)
NOEC chronic fish	446.7 mg/l Test organisms (species): <i>Pimephales promelas</i> Duration: '28 d'
NOEC (chronic)	208 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'
Xylenes (o-, m-, p- isomers) (1330-20-7)	
LC50 - Fish [1]	13.4 mg/l (Exposure time: 96 h - Species: <i>Pimephales promelas</i> [flow-through] Source: EPA)
LC50 - Fish [2]	2.661 – 4.093 mg/l (Exposure time: 96 h - Species: <i>Oncorhynchus mykiss</i> [static] Source: EPA)
EC50 - Crustacea [1]	3.82 mg/l (Exposure time: 48 h - Species: water flea)
EC50 - Crustacea [2]	0.6 mg/l (Exposure time: 48 h - Species: <i>Gammarus lacustris</i>)
NOEC chronic fish	> 1.3 mg/l Test organisms (species): <i>Oncorhynchus mykiss</i> (previous name: <i>Salmo gairdneri</i>) Duration: '56 d'
LOEC (chronic)	3.16 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'
Isopropyl alcohol (67-63-0)	
LC50 - Fish [1]	9640 mg/l (Exposure time: 96 h - Species: <i>Pimephales promelas</i> [flow-through] Source: IUCLID)
LC50 - Fish [2]	11130 mg/l (Exposure time: 96 h - Species: <i>Pimephales promelas</i> [static] Source: IUCLID)
EC50 - Crustacea [1]	13299 mg/l (Exposure time: 48 h - Species: <i>Daphnia magna</i>)
EC50 72h - Algae [1]	> 1000 mg/l (Species: <i>Desmodesmus subspicatus</i>)
EC50 96h - Algae [1]	> 1000 mg/l (Species: <i>Desmodesmus subspicatus</i>)
n-Butyl acetate (123-86-4)	
LC50 - Fish [1]	100 mg/l (Exposure time: 96 h - Species: <i>Lepomis macrochirus</i> [static] Source: EPA)

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n-Butyl acetate (123-86-4)	
LC50 - Fish [2]	17 – 19 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
EC50 - Crustacea [1]	44 mg/l Test organisms (species): Daphnia sp.
EC50 - Other aquatic organisms [1]	32 mg/l Test organisms (species): Artemia salina
EC50 72h - Algae [1]	674.7 mg/l (Species: Desmodesmus subspicatus)
EC50 72h - Algae [2]	246 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC (chronic)	23 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic algae	296 mg/l
LOEC (chronic)	47.6 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
Ethylbenzene (100-41-4)	
LC50 - Fish [1]	11 – 18 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA)
LC50 - Fish [2]	4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static] Source: EPA)
EC50 - Crustacea [1]	1.8 – 2.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	4.6 mg/l (Species: Pseudokirchneriella subcapitata)
EC50 72h - Algae [2]	2.6 – 11.3 mg/l (Species: Pseudokirchneriella subcapitata [static])
EC50 96h - Algae [1]	> 438 mg/l (Species: Pseudokirchneriella subcapitata)
EC50 96h - Algae [2]	1.7 – 7.6 mg/l (Species: Pseudokirchneriella subcapitata [static])
NOEC (chronic)	0.96 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
NOEC chronic crustacea	0.956 mg/l
LOEC (chronic)	1.7 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
Dibutyl phosphate (107-66-4)	
LC50 - Fish [1]	> 100 mg/l (Exposure time: 96 h - Species: Danio rerio [static] Source: ECHA)
2-Pentanone, 4-methyl- (108-10-1)	
LC50 - Fish [1]	505 mg/l
EC50 - Crustacea [1]	1250 mg/l
EC50 96h - Algae [1]	400 mg/l (Species: Pseudokirchneriella subcapitata)
NOEC chronic fish	57 mg/l
NOEC chronic crustacea	7.8 mg/l
Isobutyl alcohol (78-83-1)	
LC50 - Fish [1]	375 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID)
LC50 - Fish [2]	1370 – 1670 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
EC50 - Crustacea [1]	1300 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Crustacea [2]	1070 – 1933 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
NOEC (chronic)	20 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

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12.2. Persistence and degradability

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Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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Acetone (67-64-1)

BCF - Fish [1]	(0.69 dimensionless)
Partition coefficient n-octanol/water	-0.24

Isobutane (75-28-5)

BCF - Fish [1]	1.57 – 1.97
Partition coefficient n-octanol/water	1.09 – 2.8 (at 20 °C (at pH 7))

2-butoxyethanol (111-76-2)

Partition coefficient n-octanol/water	0.81 (at 25 °C (at pH 7))
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Propylene glycol monomethyl ether (107-98-2)

BCF - Fish [1]	(2 dimensionless)
Partition coefficient n-octanol/water	< 1 (at 20 °C (at pH 6.8))

Toluene (108-88-3)

Partition coefficient n-octanol/water	2.73 (at 20 °C (at pH 7))
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Methanol (67-56-1)

BCF - Fish [1]	(10 dimensionless)
Partition coefficient n-octanol/water	-0.77

Xylenes (o-, m-, p- isomers) (1330-20-7)

BCF - Fish [1]	0.6 – 15
Partition coefficient n-octanol/water	2.77 – 3.15

Isopropyl alcohol (67-63-0)

Partition coefficient n-octanol/water	0.05 (at 25 °C)
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n-Butyl acetate (123-86-4)

Partition coefficient n-octanol/water	1.81 (at 23 °C)
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Ethylbenzene (100-41-4)

BCF - Fish [1]	(15 dimensionless)
Partition coefficient n-octanol/water	3.6 (at 20 °C (at pH 7.84))

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

Partition coefficient n-octanol/water	1.9 (at pH 6.7)
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Isobutyl alcohol (78-83-1)

BCF - Fish [1]	(no bioconcentration expected)
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Isobutyl alcohol (78-83-1)

Partition coefficient n-octanol/water : 1 (at 25 °C (at pH 7))

12.4. Mobility in soil

No additional data available

12.5. Other adverse effects

Ozone : Not classified.
Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Container under pressure. Do not drill or burn even after use.
Additional information : Flammable vapours may accumulate in the container. Hazardous waste due to potential risk of explosion.

SECTION 14: Transport information

In accordance with TDG

14.1. UN number

UN-No. (TDG) : UN1950

14.2. UN proper shipping name

Proper Shipping Name (TDG) : AEROSOLS

14.3. Transport hazard class(es)

TDG

Transport hazard class(es) (TDG) : 2.1
Hazard labels (TDG) : 2.1



14.4. Packing group

Packing group (TDG) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

Special transport precautions : Do not handle until all safety precautions have been read and understood.

TDG

UN-No. (TDG) : UN1950

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

TDG Special Provisions	: 80 - Despite section 1.17 of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases), a person must not offer for transport or transport these dangerous goods unless they are in a means of containment that is in compliance with the requirements for transporting gases in Part 5 (Means of Containment), 107 - (1) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to the handling, offering for transport or transporting of UN1950, AEROSOLS, and UN2037, GAS CARTRIDGES, that contain dangerous goods included in Class 2.1 or Class 2.2 and that are transported on a road vehicle, a railway vehicle or a vessel on a domestic voyage, if the aerosols or gas cartridges have a capacity less than or equal to 50 mL. (2) Subsection (1) does not apply to self-defence spray.
Explosive Limit and Limited Quantity Index	: 1 L
Excepted quantities (TDG)	: E0
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 75 L
Emergency Response Guide (ERG) Number	: 126

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

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

15.2. International regulations

No additional information available

SECTION 16: Other information

Issue date	: 08-12-2024
Revision date	: 08-12-2024
Other information	: None.
Prepared by	: Nexreg Compliance Inc. www.Nexreg.com



Safety Data Sheet (SDS), Canada - Nexreg 2022

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