SAFETY DATA SHEET

Rislone CAT Complete

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name:	Rislone CAT Complete
Product no.:	4720, 44720, 34720
Unique formula identifier (UFI):	YEUY-R3U9-U00J-C9PQ

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:	Fuel additive
Uses advised against :	None known.

1.3. Details of the supplier of the safety data sheet

Company and address:	**RISLONE Nordic AB** Rydståvägen 45 S-424 91 OLOFSTORP Sweden +46 (0)31 55 50 88 https://www.rislonenordic.com/
Contact person:	Support Department
E-mail:	info@rislonenordic.com
Revision:	10 February 2025
SDS Version:	8.0
Date of previous version:	28 January 2025 (7.0)

1.4. Emergency telephone number

ChemTel Inc.
(800) 255-3924 (North America)
+1 (813) 248-0585 (International)

SECTION 2: HAZARDS IDENTIFICATION

Classified according to Regulation (EC) No. 1272/2008 (CLP).

2.1. ▼Classification of the substance or mixture

Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

2.2. Label elements

▼*Hazard pictogram(s):*	Not applicable.
▼*Signal word:*	Not applicable.
▼*Hazard statement(s):*	Harmful to aquatic life with long lasting

effects. (H412)

Precautionary statement(s):

▼*General:* Keep out of reach of children. (P102)

▼*Prevention:* Do not breathe vapour/mist. (P260)
Do not get in eyes, on skin, or on clothing. (P262)
Avoid release to the environment. (P273)

▼*Response:* IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310)
Do NOT induce vomiting. (P331)

▼*Storage:* -

Disposal: Dispose of contents/container in accordance with local regulation (P501)

▼*Hazardous substances:* 2-butoxyethanol
p-xylene;m-xylene;xylene;o-xylene
Tricarbonyl(methylcyclopentadienyl)manganese

Additional labelling:

UFI: YEUY-R3U9-U00J-C9PQ

2.3. Other hazards

Additional warnings: This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.
This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Distillates (petroleum), hydrotreated light paraffinic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in	CAS No.: 64742-55-8 EC No.: 265-158-7 REACH: 01-2119487077-29-XXXX Index No.: 649-468-00-3	25-40%	Asp. Tox. 1, H304	[12], [19]

the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.]				
2-butoxyethanol	CAS No.: 111-76-2 EC No.: 203-905-0 REACH: 01-2119475108-36-XXXX Index No.: 603-014-00-0	5-10%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332	[1]
Distillates (petroleum), hydrotreated light;Kerosine - unspecified;[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 through C16 and boiling in the range of approximately 150 °C to 290 °C (302 °F to 554 °F).]	CAS No.: 64742-47-8 EC No.: 265-149-8 REACH: 01-2119474881-29-XXXX Index No.: 649-422-00-2	3-5%	Asp. Tox. 1, H304	[19]
Paraffins (petroleum), normal C5-20	CAS No.: 64771-72-8 EC No.: 265-233-4 REACH: 01-2119930064-48-XXXX Index No.:	3-5%	Asp. Tox. 1, H304	[19]
p-xylene;m-xylene;xylene;o-xylene	CAS No.: 1330-20-7 EC No.: 215-535-7 REACH: 01-2119488216-32-	1-3%	Flam. Liq. 3, H226 Acute Tox. 4, H312 Skin Irrit. 2, H315	[1]

	XXXX Index No.: 601-022-00-9		Acute Tox. 4, H332	
Solvent naphtha (petroleum), light arom.	CAS No.: 64742-95-6 EC No.: 265-199-0 REACH: 01-2119486773-24-XXXX Index No.: 649-356-00-4	1-3%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	[15], [19]
ethylbenzene	CAS No.: 100-41-4 EC No.: 202-849-4 REACH: 01-2119489370-35-XXXX Index No.: 601-023-00-4	<1%	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Acute Tox. 4, H332 STOT RE 2, H373 Aquatic Chronic 3, H412	[1]
Tricarbonyl(methylcyclopentadienyl)manganese	CAS No.: 12108-13-3 EC No.: 235-166-5 REACH: 01-2119495971-23-XXXX Index No.:	<1%	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 1, H330 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
1,2,4-trimethylbenzene	CAS No.: 95-63-6 EC No.: 202-436-9 REACH: 01-2119472135-42-XXXX Index No.: 601-043-00-3	<1%	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 Aquatic Chronic 2, H411	[1]
mesitylene;1,3,5-trimethylbenzene	CAS No.: 108-67-8 EC No.: 203-604-4 REACH: 01-2119463878-19-XXXX Index No.: 601-025-00-5	<0.25%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 2, H411	[1]
1,2,3-trimethylbenzene	CAS No.: 526-73-8 EC No.: 208-394-8 REACH: Index No.:	<0.1%	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319	
Cumene;propylbenzene	CAS No.: 98-82-8 EC No.: 202-704-5 REACH: 01-2119473983-24-XXXX Index No.: 601-024-00-X	<0.05%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H335 Aquatic Chronic 3, H412	
naphthalene	CAS No.: 91-20-3 EC No.: 202-049-5 REACH: 01-2119561346-37-XXXX	<0.05%	Acute Tox. 4, H302 Carc. 2, H351 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1]

	Index No.: 601-052-00-2			

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.
[12] The classification as a carcinogen will not be taken into account as the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method' (CLP, Annex VI, note L).
[15] The classification as a carcinogen / mutagen will not be taken into account as the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7) (CLP, Annex VI, note P).
[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:
In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

▼*Inhalation:*
Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

▼*Skin contact:*
Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:
If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

▼*Ingestion:*
If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the

doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns: Not applicable.

4.2. ▼Most important symptoms and effects, both acute and delayed
Headache, Methaemoglobinaemia (naphthalene)

4.3. ▼Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

Information to medics
Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media
Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

5.3. Advice for firefighters
Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. ▼Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up
Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections
See section 13 “Disposal considerations” on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. ▼Precautions for safe handling

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.
Avoid contact during pregnancy and while nursing.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. ▼Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:	Properly labeled containers
Storage conditions:	Dry, cool and well ventilated Tightly closed container
Incompatible materials:	heat, sparks, flame, and other sources of ignition Combustible materials

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

2-butoxyethanol
Long term exposure limit (8 hours) (mg/m^3): 50
Long term exposure limit (8 hours) (ppm): 10
Annotations:
E = The EU has set an indicative limit value and/or remark for the substance.
H = Chemicals that can be absorbed through the skin.

p-xylene;m-xylene;xylene;o-xylene
Long term exposure limit (8 hours) (mg/m^3): 108
Long term exposure limit (8 hours) (ppm): 25
Annotations:
E = The EU has set an indicative limit value and/or remark for the substance.
H = Chemicals that can be absorbed through the skin.

ethylbenzene
Long term exposure limit (8 hours) (mg/m^3): 20
Long term exposure limit (8 hours) (ppm): 5
Annotations:
E = The EU has set an indicative limit value and/or remark for the substance.
H = Chemicals that can be absorbed through the skin.
K = Carcinogenic substance.

Tricarbonyl(methylcyclopentadienyl)manganese
Long term exposure limit (8 hours) (mg/m³): 0,2
Long term exposure limit (8 hours) (ppm): 0,1
Annotations:
H = Chemicals that can be absorbed through the skin.

1,2,4-trimethylbenzene
Long term exposure limit (8 hours) (mg/m³): 100
Long term exposure limit (8 hours) (ppm): 20
Annotations:
E = The EU has set an indicative limit value and/or remark for the substance.

mesitylene;1,3,5-trimethylbenzene
Long term exposure limit (8 hours) (mg/m³): 100
Long term exposure limit (8 hours) (ppm): 20
Annotations:
E = The EU has set an indicative limit value and/or remark for the substance.

naphthalene
Long term exposure limit (8 hours) (mg/m³): 50
Long term exposure limit (8 hours) (ppm): 10
Annotations:
E = The EU has set an indicative limit value and/or remark for the substance.

Regulations concerning action and limit values for physical and chemical agents in the working environment and classified biological agents (Regulations concerning Action and Limit values) FOR-2011-12-06-1358. Last update: FOR-2024-04-05-581.

DNEL

1,2,4-trimethylbenzene

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	9512 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	16171 mg/kg bw/day
Long term – Local effects - General population	Inhalation	29.4 mg/m³
Long term – Local effects - Workers	Inhalation	100 mg/m³
Long term – Systemic effects - General population	Inhalation	29.4 mg/m³
Long term – Systemic effects - Workers	Inhalation	100 mg/m³
Short term – Local effects - General population	Inhalation	29.4 mg/m³
Short term – Local effects - Workers	Inhalation	100 mg/m³
Short term – Systemic effects - General population	Inhalation	29.4 mg/m³
Short term – Systemic effects - Workers	Inhalation	100 mg/m³
Long term – Systemic effects - General population	Oral	15 mg/kg bw/day

2-butoxyethanol

Duration:	Route of exposure:	DNEL:

Long term – Systemic effects - General population	Inhalation	59 mg/m³
Long term – Systemic effects - Workers	Inhalation	98 mg/m³
Short term – Local effects - General population	Inhalation	147 mg/m³
Short term – Local effects - Workers	Inhalation	246 mg/m³
Short term – Systemic effects - General population	Inhalation	426 mg/m³
Short term – Systemic effects - Workers	Inhalation	1091 mg/m³
Long term – Systemic effects - General population	Oral	6.3 mg/kg bw/day
Short term – Systemic effects - General population	Oral	26.7 mg/kg bw/day

Distillates (petroleum), hydrotreated light paraffinic;Baseoil - unspecified;[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 C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.]

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - Workers	Dermal	970 µg/kg bw/day
Long term – Local effects - General population	Inhalation	1.19 mg/m³
Long term – Local effects - Workers	Inhalation	5.58 mg/m³
Long term – Systemic effects - Workers	Inhalation	2.73 mg/m³
Long term – Systemic effects - General population	Oral	740 µg/kg bw/day

ethylbenzene

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - Workers	Dermal	180 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	442 mg/m³
Long term – Systemic effects - General population	Inhalation	15 mg/m³
Long term – Systemic effects - Workers	Inhalation	77 mg/m³
Short term – Local effects - Workers	Inhalation	293 mg/m³
Long term – Systemic effects - General population	Oral	1.6 mg/kg bw/day

mesitylene;1,3,5-trimethylbenzene

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - General population	Dermal	9512 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	16171 mg/kg bw/day
Long term – Local effects - General population	Inhalation	29.4 mg/m³
Long term – Local effects - Workers	Inhalation	100 mg/m³
Long term – Systemic effects - General population	Inhalation	29.4 mg/m³
Long term – Systemic effects - Workers	Inhalation	100 mg/m³
Short term – Local effects - General population	Inhalation	29.4 mg/m³

Short term – Local effects - Workers	Inhalation	100 mg/m³
Short term – Systemic effects - General population	Inhalation	29.4 mg/m³
Short term – Systemic effects - Workers	Inhalation	100 mg/m³
Long term – Systemic effects - General population	Oral	15 mg/kg bw/day

naphthalene

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - Workers	Dermal	3.57 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	25 mg/m³
Long term – Local effects - Workers	Inhalation	25 mg/m³
Long term – Systemic effects - Workers	Inhalation	25 mg/m³

p-xylene;m-xylene;xylene;o-xylene

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - General population	Dermal	125 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	212 mg/kg bw/day
Long term – Local effects - General population	Inhalation	65.3 mg/m³
Long term – Local effects - Workers	Inhalation	221 mg/m³
Long term – Systemic effects - General population	Inhalation	65.3 mg/m³
Long term – Systemic effects - Workers	Inhalation	221 mg/m³
Short term – Local effects - General population	Inhalation	260 mg/m³
Short term – Local effects - Workers	Inhalation	442 mg/m³
Short term – Systemic effects - General population	Inhalation	260 mg/m³
Short term – Systemic effects - Workers	Inhalation	442 mg/m³
Long term – Systemic effects - General population	Oral	5 mg/kg bw/day

Solvent naphtha (petroleum), light arom.

Duration:	**Route of exposure:**	**DNEL:**
Long term – Local effects - General population	Inhalation	178.57 mg/m³
Long term – Local effects - Workers	Inhalation	837.5 mg/m³
Long term – Systemic effects - General population	Inhalation	410 µg/m³
Long term – Systemic effects - Workers	Inhalation	1.9 mg/m³
Short term – Local effects - General population	Inhalation	640 mg/m³
Short term – Local effects - Workers	Inhalation	1066.67 mg/m³
Short term – Systemic effects - General population	Inhalation	1152 mg/m³
Short term – Systemic effects - Workers	Inhalation	1286.4 mg/m³

Tricarbonyl(methylcyclopentadienyl)manganese

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - General population	Dermal	62 µg/kg bw/day

Long term – Systemic effects - Workers	Dermal	110 µg/kg bw/day
Long term – Systemic effects - General population	Inhalation	110 µg/m³
Long term – Systemic effects - Workers	Inhalation	600 µg/m³

PNEC

1,2,4-trimethylbenzene

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		120 µg/L
Freshwater sediment		13.56 mg/kg
Intermittent release (freshwater)		120 µg/L
Marine water		120 µg/L
Marine water sediment		13.56 mg/kg
Sewage treatment plant		2.41 mg/L
Soil		2.34 mg/kg

2-butoxyethanol

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		8.8 mg/L
Freshwater sediment		34.6 mg/kg
Intermittent release (freshwater)		26.4 mg/L
Marine water		880 µg/L
Marine water sediment		3.46 mg/kg
Predators		20 mg/kg
Sewage treatment plant		463 mg/L
Soil		2.33 mg/kg

Distillates (petroleum), hydrotreated light paraffinic;Baseoil - unspecified;[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 C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.]

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Predators		9.33 mg/kg

ethylbenzene

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		100 µg/L
Freshwater sediment		13.7 mg/kg
Intermittent release (freshwater)		100 µg/L
Marine water		10-100 µg/L
Marine water sediment		1.37 mg/kg
Predators		20 mg/kg
Sewage treatment plant		9.6 mg/L

Soil		2.68 mg/kg

mesitylene;1,3,5-trimethylbenzene

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		101 µg/L
Freshwater sediment		7.86 mg/kg
Intermittent release (freshwater)		101 µg/L
Marine water		101 µg/L
Marine water sediment		7.86 mg/kg
Sewage treatment plant		2.02 mg/L
Soil		1.34 mg/kg

naphthalene

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		2.4 µg/L
Freshwater		2.4 µg/L
Freshwater sediment		67.2 µg/kg
Freshwater sediment		67.2 µg/kg
Intermittent release (freshwater)		20 µg/L
Intermittent release (freshwater)		20 µg/L
Marine water		2.4 µg/L
Marine water		2.4 µg/L
Marine water sediment		67.2 µg/kg
Marine water sediment		67.2 µg/kg
Sewage treatment plant		2.9 mg/L
Soil		53.3 µg/kg
Soil		53.3 µg/kg

p-xylene;m-xylene;xylene;o-xylene

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		44-327 µg/L
Freshwater sediment		2.52-12.46 mg/kg
Intermittent release (freshwater)		10-327 µg/L
Intermittent release (marine water)		1 µg/L
Marine water		4.4-327 µg/L
Marine water sediment		252-12460 µg/kg
Sewage treatment plant		1.6-6.58 mg/L
Soil		852-2310 µg/kg

Tricarbonyl(methylcyclopentadienyl)manganese

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		210 ng/L

Intermittent release (freshwater)		2.1 µg/L
Marine water		21 ng/L
Soil		16 µg/kg

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations: Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios: There are no exposure scenarios implemented for this product.

Exposure limits: Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures: The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures: In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure: Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally: Use only CE marked protective equipment.

Respiratory Equipment:
No specific requirements

Skin protection:

Recommended	Type/Category	Standards	
Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.	-	-	

Hand protection:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Gloves	-	-	EN374	

Eye protection:

Type	Standards	
Tight sealing safety goggles	Tight sealing safety goggles	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Brown
Odour / Odour threshold:	Petroleum-like
pH:	No relevant or available data due to the nature of the product.
Density (g/cm^3):	-
Relative density:	0.81
Kinematic viscosity:	No data available
▼*Dynamic viscosity:*	23.4 mPa.s
Particle characteristics:	Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):	No data available
Softening point/range (°C):	Does not apply to liquids.
Boiling point (°C):	No data available
Vapour pressure:	No data available
Relative vapour density:	No relevant or available data due to the nature of the product.
Decomposition temperature (°C):	No data available

Data on fire and explosion hazards

Flash point (°C):	67
Flammability (°C):	No data available
Auto-ignition temperature (°C):	No data available
Lower and upper explosion limit (% v/v):	No relevant or available data due to the nature of the product.

Solubility

Solubility in water:	Insoluble
n-octanol/water coefficient (LogKow):	No relevant or available data due to the

	nature of the product.
Solubility in fat (g/L):	No relevant or available data due to the nature of the product.

9.2. Other information

Other physical and chemical parameters:	No data available.
Oxidizing properties:	No relevant or available data due to the nature of the product.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
Heat, flames, and sparks

10.5. Incompatible materials
heat, sparks, flame, and other sources of ignition
Combustible materials

10.6. 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 hazard classes as defined in Regulation (EC) No 1272/2008

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

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

Serious eye damage/irritation
Based on available data, the classification criteria are not met.

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

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

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

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

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

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

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

11.2. Information on other hazards

Long term effects
None known.

Endocrine disrupting properties
This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information
2-butoxyethanol has been classified by IARC as a group 3 carcinogen.
p-xylene;m-xylene;xylene;o-xylene has been classified by IARC as a group 3 carcinogen.
ethylbenzene has been classified by IARC as a group 2B carcinogen.
naphthalene has been classified by IARC as a group 2B carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity
Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability
Based on available data, the classification criteria are not met.

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

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties
This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects
This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.
This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. ▼Waste treatment methods

Product is covered by the regulations on hazardous waste.
HP 6 - Acute toxicity
Dispose of contents/container to an approved waste disposal plant.
Disposal to the sewer is discouraged.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code: Not applicable.

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	UN1993	FLAMMABLE LIQUID, N.O.S.	Transport hazard class: 3 Label: 3 Classification code: F1 	III	No	Limited quantities: 5 L Tunnel restriction code: (D/E) See below for additional information.
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

▼Additional information

ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.
Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance

or mixture

▼*Restrictions for application:*	Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.
Demands for specific education:	No specific requirements.
▼*SEVESO - Categories / dangerous substances:*	Not applicable.
REACH, Annex XVII:	p-xylene;m-xylene;xylene;o-xylene is subject to REACH restrictions (entry 40). Solvent naphtha (petroleum), light arom. is subject to REACH restrictions (entry 40). ethylbenzene is subject to REACH restrictions (entry 40). 1,2,4-trimethylbenzene is subject to REACH restrictions (entry 40). mesitylene;1,3,5-trimethylbenzene is subject to REACH restrictions (entry 40).
Declaration of chemicals:	If the product is imported or produced in more than 100 kg/year it is subject to registration in the Product Register because it is classified as hazardous.
▼*Additional information:*	Not applicable.
▼*Sources:*	Act no. 62 of 17th June 2005 relating to working environment, working hours and employment protection, etc. (Working Environment Act). Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste. Regulation of 15 May 2015 no. 541 on declaring chemicals to the product register (Declaration Regulations) Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H225, Highly flammable liquid and vapour.
H226, Flammable liquid and vapour.
H301, Toxic if swallowed.
H302, Harmful if swallowed.
H304, May be fatal if swallowed and enters airways.
H310, Fatal in contact with skin.
H312, Harmful in contact with skin.
H315, Causes skin irritation.
H319, Causes serious eye irritation.
H330, Fatal if inhaled.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H336, May cause drowsiness or dizziness.
H351, Suspected of causing cancer.
H373, May cause damage to organs through prolonged or repeated exposure.
H400, Very toxic to aquatic life.
H410, Very toxic to aquatic life with long lasting effects.
H411, Toxic to aquatic life with long lasting effects.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

▼Additional information

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).

The safety data sheet is validated by

NL

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product.
Information in this safety data sheet cannot be used as a product specification.
Country-language: NO-en