

SECTION 1	IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING	*
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1.1. Product identifier

Product name : STAR BRITE LIQUID RUBBING COMPOUND FOR HEAVY OXIDATION
 Product code : 81318

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

Application : SU21 Consumer product. PC0 Other. Exterior care products - all vehicle types. Polishes and wax blends.

1.3. Details of the supplier of the safety data sheet

Supplier : Star Brite Europe Inc.
 Kryptonweg 7
 NL-3812 RZ Amersfoort, The Netherlands
 Telephone : +31 970 10255575
 E-mail : europe@starbrite.com
 Website : www.starbrite.com

1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:
 NL - Telephone : 703-527-3887 (24/7)

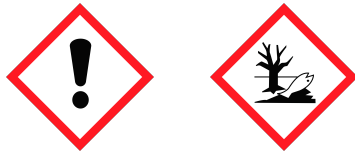
SECTION 2	HAZARDS IDENTIFICATION	*
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2.1. Classification of the substance or mixture

CLP classification (1272/2008/EC) : Skin irritation, category 2. Eye irritation, category 2. Skin sensitization, category 1. Specific target organ toxicity after single exposure, category 3. Hazardous to the aquatic environment — Chronic category 2.
 Human health hazards : Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness. Contains petroleum distillates, may be harmful when ingested.
 Physical/chemical hazards : Not classified as dangerous according to statutory EC-Directives. Combustible.
 Environmental hazards : Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements (1272/2008/EC):
 Hazard pictograms :

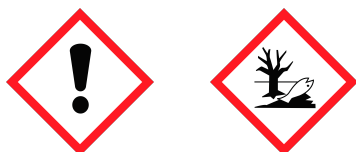


Signal word : Warning

H- and P-phrases : H315 H317 H319 H336 H411 P101 P102 P271	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Use only outdoors or in a well-ventilated area.
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P280 hands eyes	Wear protective gloves and eye protection.
P261 vapour	Avoid breathing vapours.
P302+P352	IF ON SKIN: Wash with plenty of water/soap.
P333+P313	If skin irritation or rash 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.
P337+P313	If eye irritation persists: Get medical advice/attention.
P312	Call a POISON CENTER/doctor if you feel unwell.
P405	Store locked up.
P362+P364	Take off contaminated clothing and wash it before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P273	Avoid release to the environment.
P391	Collect spillage.
P501	Dispose of contents/container to an official chemical waste depot.

Labelling of packagings where the contents do not exceed 125 ml and it is technically impossible to list all phrases:
Hazard pictograms :



Signal word : Warning

H- and P-phrases	:	H317	May cause an allergic skin reaction.
		H336	May cause drowsiness or dizziness.
		P101	If medical advice is needed, have product container or label at hand.
		P102	Keep out of reach of children.
		P261 vapour	Avoid breathing vapours.
		P271	Use only outdoors or in a well-ventilated area.
		P280 gloves	Wear protective gloves.
		P302+P352	IF ON SKIN: Wash with plenty of water/soap.
		P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
		P312	Call a POISON CENTER/doctor if you feel unwell.
		P362+P364	Take off contaminated clothing and wash it before reuse.
		P403+P233	Store in a well-ventilated place. Keep container tightly closed.
		P405	Store locked up.
		P501	Dispose of contents/container to an official chemical waste depot.

Additional labelling (for all packaging sizes)

: Contains: Distillates (petroleum), hydro- treated light ; Pine, ext. .

2.3. Other hazards

Other information : Does not contain PBT or vPvB substances.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

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3.2. Mixtures

Product description : Mixture.

Information on hazardous substances:

Substance name	Concentration (w/w) (%)	CAS nr.	EC number	Remark	REACH nr.
Distillates (petroleum), hydro- treated light	10 - < 20	64742-47-8	265-149-8		
Distillates (petroleum), hydro- treated light	10 - < 20	64742-47-8	265-149-8		

Aluminium oxide	5 - < 10	1344-28-1	215-691-6	MAC	
Diatomaceous earth	5 - < 10	61790-53-2	612-383-7	MAC	
Pine, ext.	1 - < 2,5	94266-48-5	304-455-9		
Fatty acids, tall-oil, compds. with morpholine	1 - < 5	68002-77-7	268-091-1		
Oleic acid, compound with morpholine (1:1)	1 - < 5	1095-66-5	214-139-1		
Morpholine	1 - < 3	110-91-8	203-815-1		

Substance name	Hazard Class	H-phrases	Pictograms
Distillates (petroleum), hydro- treated light	Asp. Tox. 1; Skin Irrit. 2; STOT SE 3; Aquatic Chronic 2	H304; H315; H336; H411	GHS07; GHS08; GHS09
Distillates (petroleum), hydro- treated light	Flam. Liq. 3; Asp. Tox. 1; Skin Irrit. 2; STOT SE 3; Aquatic Chronic 2	H226; H304; H315; H336; H411	GHS02; GHS07; GHS08; GHS09
Aluminium oxide	-----	-----	-----
Diatomaceous earth	-----	-----	-----
Pine, ext.	Asp. Tox. 1; Skin Irrit. 2; Skin Sens. 1; Aquatic Chronic 2; Flam. Liq. 3	H304; H315; H317; H411; H226	GHS02; GHS07; GHS08; GHS09
Fatty acids, tall-oil, compds. with morpholine	Skin Irrit. 2; Eye Irrit. 2	H315; H319	GHS07
Oleic acid, compound with morpholine (1:1)	Skin Irrit. 2; Eye Irrit. 2	H315; H319	GHS07
Morpholine	Flam. Liq. 3; Acute Tox. 4; Acute Tox. 3; Skin Corr. 1A; Acute Tox. 3; Repr. 2; Eye Dam. 1	H226; H302; H311; H314; H331; H361fd; H318	GHS02; GHS05; GHS06; GHS08

Occupational exposure limit(s), if relevant, are listed in section 8.

Reference is made to chapter 16 for full text of each relevant H phrase.

SECTION 4 FIRST-AID MEASURES

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4.1. Description of first aid measures

First aid measures

- Inhalation : Move victim into fresh air. Consult a doctor.
- Skin contact : Take off contaminated clothing. Wash off skin with plenty of water and soap before product dries up. Consult a doctor if irritation occurs.
- Eye contact : Wash out with (lukewarm) water. Remove contact lenses. Consult a doctor.
- Ingestion : Do not induce vomiting. Give nothing to drink. Do rinse the mouth. Never give anything by mouth to an unconscious person. Consult a doctor if victim feels unwell.

4.2. Most important symptoms and effects, both acute and delayed

Effects and symptoms

- Inhalation : May cause headache, drowsiness, dizziness and a feeling of sickness.
- Skin contact : Irritant. May cause redness and irritation, sensitisation. May produce an allergic reaction. May cause dry skin.
- Eye contact : Irritant. May cause redness and pain.
- Ingestion : May cause a feeling of sickness, vomiting and diarrhoea. May cause lung damage, sore throat and lack of breath.

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

- Note to physicians : None known.

SECTION 5 FIRE-FIGHTING MEASURES

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5.1. Extinguishing media

Extinguishing media

- Suitable : Carbondioxide (CO2). Foam. Dry chemical. Water fog.
Not suitable : Water jet. Use of heavy stream of water may spread fire.

5.2. Special hazards arising from the substance or mixture

- Special exposure hazards : None known.
Hazardous thermal decomposition products : Carbon monoxide may be evolved if incomplete combustion occurs.

5.3. Advice for firefighters

- Special protective equipment for fire-fighters : Use adequate respiratory equipment in case of insufficient ventilation.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with spilled or released material. Keep away from sources of ignition — No smoking. Vapours are heavier than air. Build up (of gasses) in low areas involves risk of suffocation.

6.2. Environmental precautions

- Environmental precautions : Avoid release of product into sewers, surface water and/or ground water. In case of large spills: contain with dike. Waste product should not be allowed to contaminate soil or water.
Other information : Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Collect spilled material in containers. Absorb residues in sand or other inert material. Dispose at an authorised waste collection point. Wash away remainder with plenty of water and soap.

6.4. Reference to other sections

- Reference to other sections : See also section 8.

SECTION 7 HANDLING AND STORAGE

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7.1. Precautions for safe handling

- Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Do not breathe vapour. Avoid contact with skin and eyes. Avoid splashing. Wear protective clothing.

7.2. Conditions for safe storage, including any incompatibilities

- Storage : Keep frost-free, in a cool, dry and well-ventilated place (< 50 °C). Protect from sunlight. Keep away from oxidizing agents.
Recommended packaging : Keep only in the original container.
Non recommended packaging : Steel (except stainless steel). PE and PP.

7.3. Specific end use(s)

Use : Use only as directed.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION *

8.1. Control parameters

Occupational exposure limits : Occupational exposure limits have not been established for this product. Derived no-effect levels (DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have not been established for this product.

Workplace exposure limits (mg/m³):

Chemical name	Country	TWA 8 hour (mg/m3)	STEL 15 min (mg/m3)	Comments	Source
Distillates (petroleum), hydro- treated light		1200			CEFIC-HSPA
Distillates (petroleum), hydro- treated light		1200			CEFIC-HSPA
Aluminium oxide	GB	10 6			OEL: HU, UA, AT
Diatomaceous earth	GB	1,2		Respirable dust	MAC: NO
d-Limonene		140			MAC BG, BE, EL, NO, etc
Bornan-2-one	GB	12			
	GB	13	19		

Derived no-effect level (DNEL) for workers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
Aluminium oxide	Inhalation			15,63 mg/m3	
Morpholine	Inhalation	72 mg/m3		36 mg/m3	
	Dermal				0.84 mg/kg bw/day

Derived no-effect level (DNEL) for consumers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
Aluminium oxide	Oral				3,29 mg/kg bw/day
Morpholine	Oral				0.3 mg/kg bw/day

Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water	
Aluminium oxide	STP			20 mg/l
Morpholine	Water	0.163 mg/l	0.016 mg/l	
	Sediment	1.83 mg/kg	0.183 mg/kg	
	Intermittent water			0,28 mg/l
	STP			10 mg/l
	Soil			0.296 mg/kg

8.2. Exposure controls

Engineering measures : Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals.

Hygienic measures : When using do not eat, drink or smoke.

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.



- Body protection : Wear appropriate protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345. Suitable material: nitril. Indication of permeation breakthrough time: 6 hours.
- Respiratory protection : Take care of sufficient ventilation. Wear suitable respiratory protection in case of large scale exposure. Suitable: gas filter type A (brown), class I or higher on e.g. a facemask in accordance with EN 140.
- Hand protection : Wear appropriate safety gloves in accordance with EN 374. Suitable material: nitril. ± 0,5 mm. Indication of permeation breakthrough time: 6 hours.
- Eye protection : Wear appropriate safety glasses with side shields, in accordance with EN 166, when there is danger of possible eye contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES *

9.1. Information on basic physical and chemical properties

Physical state	: Liquid.	
Colour	: Brown.	
Odour	: Characteristic.	
Odour threshold	: Not known.	
pH	: 9	
Solubility in water	: Soluble.	
Partition coefficient (n-octanol/water)	: Not known.	Not measured. Not relevant for mixtures.
Flash point	: > 35 °C	Closed Cup (ISO 2719, EN 11, DIN 51758, ASTM D 93). Does not support combustion.
Flammability (solid, gas)	: Not applicable.	Liquid. See flashpoint.
Auto ignition temperature	: > 220 °C	
Boiling point/boiling range	: > 100 °C	
Melting point/melting range	: < 0 °C	
Explosive properties	: Not an explosive.	
Explosion limits (% in air)	: Not known.	Lower explosion limit in air (%): 0,6 (Distillates (petroleum), hydro-treated light)
		Upper explosion limit in air (%): 10,8 (Morpholine)
Oxidising properties	: Not applicable.	Does not contain oxidizing substances.
Decomposition temperature	: Not applicable.	
Viscosity (20°C)	: 1300 mm ² /sec	(1 mm ² /sec = 1cSt)
Viscosity (40°C)	: > 20,5 mm ² /sec	
Vapour pressure (20°C)	: Not known.	
Relative vapour density	: > 1	(air = 1)
Relative density (20°C)	: 1 g/ml	
Particle characteristics	: Not applicable.	Liquid.

9.2. Other information

Other information : Not relevant.

SECTION 10 STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity : See sub-sections below.

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reactivity : No other hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid : See section 7.

10.5. Incompatible materials

Materials to avoid : Keep away from oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products : Not known.

SECTION 11 TOXICOLOGICAL INFORMATION *

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

No toxicological research has been carried out on this product.

Inhalation

- Acute toxicity : Calculated LC50: > 10 mg/l. Ingredients of unknown toxicity: 11 %. ATE: > 5 mg/l. Low toxicity. Not classified - based on available data, the classification criteria are not met. May cause damage to organs. Target organ(s): Central nervous system. Effect(s): Breathing of high vapour concentrations may cause central nervous system (CNS) depression resulting in dizziness, lightheadedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death.
- Corrosion/irritation : Not classified - based on available data, the classification criteria are not met.
- Sensitisation : Does not contain substances classified as respiratory sensitiser. Not classified - based on available data, the classification criteria are not met.
- Carcinogenicity : Not expected to be carcinogenic. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.

Skin contact

- Acute toxicity : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 5000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Corrosion/irritation : Irritant. May cause redness.
- Sensitisation : May cause sensitisation by skin contact. May produce an allergic reaction.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

Eye contact

- Corrosion/irritation : Irritant.

Ingestion

- Acute toxicity : Calculated LD50: > 4739 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Aspiration : Viscous emulsion. Contains a substance/substances with an aspiration hazard. Emulsion may break after ingestion. If swallowed, if any of the following delayed signs and symptoms appear within the next 6 hours, transport to the nearest medical facility: fever greater than 38.3° C, shortness of breath, chest congestion or continued coughing or wheezing. Highly viscous liquid. Not classified - based on available data, the classification criteria are not met. Contains a substance/substances with an aspiration hazard. After ingestion, at vomiting, risk of aspiration in the lungs.
- Corrosion/irritation : May cause a feeling of sickness, stomachache, vomiting and diarrhoea.
- Carcinogenicity : Not expected to be carcinogenic. Not classified - based on available data, the classification criteria are not met.

- Mutagenicity : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.
- Reprotoxicity : Development: Not expected to be reprotoxic. Development: Not classified - Based on available data, the classification criteria are not met. Fertility: not expected to be reprotoxic. Fertility: Not classified - based on available data, the classification criteria are not met.

Toxicological information:

Chemical name	Property		Method	Test animal
Distillates (petroleum), hydro- treated light	Skin sensitisation - estimate	Not sensitizing	Read across	Guinea pig
	NOAEL (oral) - estimate	750 mg/kg bw/d	Read across	Rat
	Eye irritation - estimate	Non-irritant	Read across	Rabbit
	Skin irritation - estimate	Irritant	Read across	Rabbit
	Genotoxicity - estimate	Not genotoxic	Read across	Mouse
	Mutagenicity - estimate	Negative	Read across	Salmonella typhimurium
	LD50 (oral) - estimate	> 5000 mg/kg bw	Read across	Rat
	LD50 (dermal) - estimate	> 2000 mg/kg bw	Read across	Rabbit
	LC50 (inhalation) - estimate	> 5000 mg/m3	Read across	Rat
	NOAEL (fertility) - estimate	1500 mg/kg.d	Read across	Rat
	NOAEL (development) - estimate	1000 mg/kg.d	Read across	Rat
	NOEL (carcinogenicity) - estimate	Not carcinogenic	Read across	-----
	NOAEL (inhalation) - estimate	> 1000 mg/m3	Read across	Mouse
	Distillates (petroleum), hydro- treated light	LC50 (inhalation) - estimate	> 5280 mg/m3	Read across
NOEL (carcinogenicity) - estimate		Not carcinogenic	Read across	-----
NOAEL (inhalation) - estimate		> 1000 mg/m3	Read across	Mouse
NOAEL (oral) - estimate		750 mg/kg bw/d	Read across	Rat
Genotoxicity - estimate		Not genotoxic	Read across	Mouse
Skin sensitisation - estimate		Not sensitizing	Read across	Guinea pig
LD50 (dermal) - estimate		> 2000 mg/kg bw	-----	Rabbit
Skin irritation - estimate		Irritant	Read across	Rabbit
Eye irritation - estimate		Non-irritant	Read across	Rabbit
Mutagenicity - estimate		Negative	Read across	Salmonella typhimurium
NOAEL (fertility) - estimate		1500 mg/kg.d	Read across	Rat
NOAEL (development) - estimate		500 mg/kg.d	Read across	Rat
LD50 (oral) - estimate		> 5000 mg/kg bw	Read across	Rat
LD50 (dermal)		3000 mg/kg bw		Rabbit
Pine, ext.	Genotoxicity - in vitro	Not genotoxic		
	Skin irritation	Severely irritant		
	Mutagenicity	Not mutagenic		Salmonella typhimurium
	NOAEL (development, oral)	600 mg/kg bw/d		Rat
	NOAEL (fertility, oral)	600 mg/kg bw/d		Rat
	Skin sensitisation	Sensitizing.		

Fatty acids, tall-oil, compds. with morpholine	LC50 (inhalation)	3790 mg/m3		Rat
	LD50 (oral)	> 1000 mg/kg bw		Rat
	Genotoxicity - in vivo	Not genotoxic		Mouse
	Skin irritation - estimate	Irritant		
Oleic acid, compound with morpholine (1:1)	Eye irritation - estimate	Irritant		
	LD50 (oral) - estimate	> 2000 mg/kg bw	Read across	
Morpholine	LD50 (oral) - estimate	> 2000 mg/kg bw	Read across	
	NOAEL (development) - estimate	750 mg/kg.d	Read across	Rat
	NOEL (carcinogenicity, oral)	Not carcinogenic		Rat
	NOEL (carcinogenicity, inh.)	> 543 mg/m3	OECD 453	Rat
	Genotoxicity - in vivo	> 500 mg/kg bw/d	-----	Chinese Hamster
	Eye irritation	Corrosive.	OECD 405	Rabbit
	Skin irritation	Corrosive.	OECD 404	Rabbit
	LD50 (dermal)	500 mg/kg bw	OECD 402	Rabbit
	LD50 (oral)	1900 mg/kg bw	OECD 401	Rat
	Skin sensitisation	Not sensitizing		Guinea pig
	NOAEL (inhalation)	> 453 mg/m3	OECD 452	Rat
	NOAEL (dermal)	900 mg/kg bw/d	OECD 410	Rabbit
NOAEL (fertility) - estimate	200 mg/kg.d	Read across	Rat	
NOAEL (oral) - estimate	200 mg/kg bw/d	Read across	Rat	

11.2. Information on other hazards

Endocrine disrupting properties : Not applicable.
Other information : Not applicable.

SECTION 12 ECOLOGICAL INFORMATION

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12.1. Toxicity

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Toxic to aquatic organisms. Calculated LC50 (fish): 7 mg/l. Calculated EC50 (waterflea): 5 mg/l. Contains 0 % of components with unknown hazards to the aquatic environment. May form an oil film on the water surface causing a decline in oxygen content with possible adverse effects for aquatic organisms.

12.2. Persistence and degradability

Persistence – degradability : May cause long-term adverse effects in the aquatic environment. The surfactants contained in this preparation do not comply with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents. This product shall not be used in cleaners.

12.3. Bioaccumulative potential

Bioaccumulative potential : Contains bioaccumulating substances.

12.4. Mobility in soil

Mobility : If product enters soil, it will be highly mobile and may contaminate groundwater.

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment : Does not contain PBT or vPvB substances.

12.6. Endocrine disrupting properties

Endocrine disrupting properties : Not applicable.

12.7. Other adverse effects

Other adverse effects : Not applicable.

Ecological information:

Chemical name	Property		Method	Test animal
Distillates (petroleum), hydro- treated light	Ultimate aerobic biodegradation (%)	58,6 %	Read across	
	NOEC (waterflea) - chronic	0,48 mg/l.d	OECD 211	Daphnia magna
	LC50 (fish) - estimate	> 2 mg/l	OECD 203	Oncorhynchus mykiss
	EC50 (waterflea) - estimate	1,4 mg/l	OECD 202	Daphnia magna
	NOEC (waterflea) - acute	0,3 mg/l	OECD 202	Daphnia magna
	IC50 (algae) - estimate	> 1 mg/l	OECD 201	Pseudokirchnerella subcapitata
	NOEC (fish) - estimate	0,098 mg/l.d		Oncorhynchus kisutch
	NOEC (fish)	2 mg/l	OECD 203	Oncorhynchus mykiss
	Log P(ow)	> 6		
	BCF	537		
Distillates (petroleum), hydro- treated light	LC50 (fish) - estimate	> 2 mg/l	OECD 203	Oncorhynchus mykiss
	EC50 (waterflea) - estimate	1,4 mg/l	OECD 202	Daphnia magna
	IC50 (algae) - estimate	> 1 mg/l	OECD 201	Pseudokirchnerella subcapitata
	NOEC (waterflea) - chronic	0,48 mg/l.d	OECD 211	Daphnia magna
	Ultimate aerobic biodegradation (%)	58,6 %	OECD 301 F	
	NOEC (fish)	2 mg/l	OECD 203	Oncorhynchus mykiss
	NOEC (waterflea) - acute	0,3 mg/l	OECD 202	Daphnia magna
	NOEC (fish) - estimate	0,098 mg/l.d		Oncorhynchus mykiss
	Log P(ow)	> 6		
	BCF	537		
Pine, ext.	EC50 (waterflea)	24 mg/l		Daphnia magna
	LC50 (fish)	18 mg/l		Oncorhynchus mykiss

SECTION 13 DISPOSAL CONSIDERATIONS

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13.1. Waste treatment methods

- Product residues : Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat product residues and non-empty pack as hazardous waste.
- Additional warning : Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums.
- Waste water discharge : Do not dispose of into the environment, drains, sewers or water courses.
- European waste catalogue : Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.
- Local legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

SECTION 14 TRANSPORT INFORMATION	*
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14.1. UN number or ID number

UN nr. : UN 3082

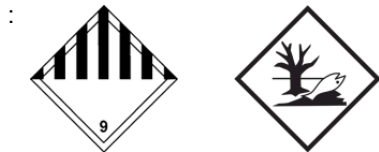
14.2. UN proper shipping name

Transport name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillates (petroleum), hydro-treated light ; Pine, ext.)
 Transport name (IMDG, IATA) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillates (petroleum), hydro-treated light ; Pine, ext.)

14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards

ADR/RID/ADN (road/railway/inland waterways)

Class : 9
 Classification code : M6
 Packaging group : III
 Danger label : 9 + the "environmentally hazardous substance" mark.
 Tunnel restriction : (-)
 code



Other information : Not intended for carriage by tank-vessels on inland waterways. This product is not regulated as a dangerous good when transported in sizes of <= 5 L or <= 5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 (Special provisions 375).

IMDG (sea)

Class : 9
 Packaging group : III
 EmS (fire / spill) : F - A / S - F
 Marine pollutant : Yes
 Other information : This product is not regulated as a dangerous good when transported in sizes of <= 5 L or <= 5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 (IMDG code 37-14, 2.10.2.7).

IATA (air)

Class : 9
 ERG code : 9L

14.6. Special precautions for user

Other information : Country specific variations may apply. It is possible that a "Limited Quantity" exemption applies to the transport of this product.

14.7. Maritime transport in bulk according to IMO instruments

Marpol : Not intended to be carried in bulk according to International Maritime Organisation (IMO) instruments. Packaged liquids are not considered bulk.

SECTION 15 REGULATORY INFORMATION	*
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15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Community regulations : Regulation (EU) No 2020/878 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations. Directive 2008/98/EC (waste).
: This product is exempted from classification as "May be fatal if swallowed and enters airways" on basis of section 3.10.3.3.1.1. of Annex I of Regulation (EC) No 1272/2008.

15.2. Chemical safety assessment

Chemical safety assessment : Not applicable.

SECTION 16	OTHER INFORMATION	*
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16.1. Other information

The information in this safety data sheet is compiled in compliance with Regulation (EU) No 2020/878 dated 18 June 2020 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (*).

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

- ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE : Acute Toxicity Estimate
- CLP : Classification, Labeling & Packaging
- CMR : Carcinogenic, Mutagenic or toxic for Reproduction
- EEC : European Economic Community
- GHS : Globally Harmonized System of Classification and Labelling of Chemicals
- IATA : International Air Transport Association
- IBC code : International Bulk Chemical Code
- IMDG : International Maritime Dangerous Goods Code
- LD50/LC50 : Lethal Dose/Concentration for 50% of a population
- MAC : Maximum Allowable Concentration
- MARPOL : International Convention for the Prevention of Pollution From Ships
- NO(A)EL : No Observed (Adverse) Effect Level
- OECD : Organisation for Economic Co-operation and Development
- PBT : Persistent, Bioaccumulative and Toxic
- PC : Chemical product category
- PT : Product type
- REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
- RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
- STP : Sewage Treatment Plant
- SU : Sector of Use
- TWA/STEL : Time-Weighted Average/Short Term Exposure Limit
- UN : United Nations
- UFI : Unique formula identifier
- VOC : Volatile Organic Compounds
- vPvB : Very Persistent and Very Bioaccumulative

Key data used to compile the Safety Data Sheet are from, but not limited to, one or more sources of information e.g. toxicological data from material suppliers, CONCAWE, IFRA, CESIO, Regulation EG 1272/2008, etc.

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008:

- Skin Irrit. 2 : Calculation method.
- Eye Irrit. 2 : Calculation method.
- Skin Sens. 1/1A/1B : Calculation method.
- STOT SE 3 : Calculation method.

Aquatic Chronic 2 : Calculation method.

Full text of hazard classes mentioned in section 3:

Flam. Liq. 3 : Flammable liquid, category 3.
Acute Tox. 3 : Acute toxicity, category 3.
Acute Tox. 4 : Acute toxicity, category 4.
Skin Corr. 1A/B/C : Skin corrosive, category 1A/B/C.
Skin Irrit. 2 : Skin irritation, category 2.
Eye Dam. 1 : Serious eye damage, category 1.
Eye Irrit. 2 : Eye irritation, category 2.
Skin Sens. 1/1A/1B : Skin sensitization, category 1/1A/1B.
STOT SE 3 : Specific target organ toxicity after single exposure, category 3.
Asp. Tox. 1 : Aspiration hazard, category 1.
Aquatic Chronic 2 : Hazardous to the aquatic environment — Chronic category 2.

Full text of H-phrases mentioned in section 3:

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H331 Toxic if inhaled.
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.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.
H411 Toxic to aquatic life with long lasting effects.

Advice on any training appropriate for workers: none.

Number format : "," used as decimal separator.

End of safety data sheet.