

COVERAGE FOR SWITZERLAND

SECTION 1	DESIGNATION OF THE MIXTURE AND THE COMPANY
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1.1 Product identifier

Product name : polish
Item number : 81318
UFI : NH68-S7F2-C005-S0QX

1.2 Uses of the mixture

SU21 Consumer product, Boat and ship maintenance

1.3 Details about the supplier

Supplier : TELL's Power AG
Bahnhofweg 2 + 4
CH-6405 Immensee

Phone : 041 850 77 44
E-Mail : info@tellspower.ch
Website : www.tellspower.ch

1.4 Emergency number

EMERGENCY PHONE TOX Center: **145** (24 hrs.)

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING ***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. PC31 Polishes and wax blends.

1.3. Details of the supplier of the safety data sheet

Supplier : Star Brite Europe Inc.
86 bis route de Brignais
69630 Chaponost, France
Telephone : +33-478-56-77-80
Fax : +33-472-39-97-96
E-mail : jp.kitzinger@starbrite-europe.com
Website : www.starbrite.com

1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:
Telephone : 144, 118, 117

EMERGENCY TELEPHONE NUMBER (for DOCTORS only):
National Poisons Information Service 145 (24/7)

SECTION 2 HAZARDS IDENTIFICATION ***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. Causes serious eye irritation. May cause drowsiness or dizziness. May cause an allergic skin reaction. Contains petroleum distillates, may be harmful when ingested.

Physical/chemical hazards : Not classified as dangerous according to statutory EC-Directives.

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 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
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 hands eyes	Wear protective gloves and eye protection.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P302+P352	IF ON SKIN: Wash with plenty of water/soap.
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.
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.
P273	Avoid release to the environment.
P391	Collect spillage.
P501	Dispose of contents/container to an official chemical waste depot.

Additional labelling (for all packaging sizes)

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

2.3. Other hazards

Other information : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

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		
Diatomaceous earth (containing less than 1% quartz)	5 - < 10	61790-53-2	612-383-7	MAC	
Aluminium oxide	5 - < 10	1344-28-1	215-691-6	MAC	
Pine oil	1 - < 2,5	8002-09-3	616-792-1		
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
Diatomaceous earth (containing less than 1% quartz)	----	----	----
Aluminium oxide	----	----	----

Pine oil	Flam. Liq. 3; Asp. Tox. 1; Skin Sens. 1; Eye Irrit. 2; Aquatic Chronic 2	H226; H304; H317; H319; H411	GHS02; GHS07; GHS08; GHS09
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; Acute Tox. 3; Skin Corr. 1A	H226; H302; H311; H331; H314	GHS02; GHS05; GHS07

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 if victim feels unwell.
- 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 for at least 15 minutes. Remove contact lenses. Consult a doctor.
- Ingestion : Do not induce vomiting. Give nothing to drink. Do not 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.
- 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

5.1. Extinguishing media

Extinguishing media

- Suitable : Carbondioxide (CO2). Foam. Dry chemical. Water fog.
- Not suitable : Water jet.

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 *

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.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep frost-free, in a cool, dry and well-ventilated place (< 35 °C). Keep away from oxidizing agents. Protect from sunlight.
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/m ³)	STEL 15 min (mg/m ³)	Comments
Distillates (petroleum), hydro- treated light		1200	-	CEFIC-HSPA
Distillates (petroleum), hydro- treated light		1200	-	
Diatomaceous earth (containing less than 1% quartz)	GB	1,2	-	Respirable dust

Aluminium oxide	GB	10	-	-
Aluminium oxide		6		
morpholine	GB	36	72	Skin
morpholine	EC	36	72	
dipentene; limonene		140		

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 morpholine	Inhalation			15,63 mg/m ³	
	Dermal				1,04 mg/kg bw/day
	Inhalation	72 mg/m ³		36 mg/m ³	91 mg/m ³

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 morpholine	Oral				3,29 mg/kg bw/day
	Dermal				0,52 mg/kg bw/day
	Inhalation	18 mg/m ³		3,2 mg/m ³	45 mg/m ³
	Oral		38 mg/kg bw		6,3 mg/kg bw/day

Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water	
Aluminium oxide morpholine	STP			20 mg/l
	Water	0,1 mg/l	0,01 mg/l	
	Sediment	1,49 mg/kg	0,149 mg/kg	
	Intermittent water			0,28 mg/l
	STP			10 mg/l
	Soil			0,239 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

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9.1. Information on basic physical and chemical properties

Appearance	: Liquid.	
Colour	: Brown.	
Odour	: Characteristic.	
Odour threshold	: Not known.	
pH	: 9	
Solubility in water	: Soluble.	
Partition coefficient (n-octanol/water)	: Not known.	
Flash point	: 47 °C	Closed Cup (ISO 2719, EN 11, DIN 51758, ASTM D 93) 9 FP . Does not support combustion.
Flammability (solid, gas)	: Not applicable.	Liquid. See flashpoint.
Auto ignition temperature	: > 237 °C	
Boiling point/boiling range	: > 100 °C	
Melting point/melting range	: < 0 °C	
Explosive properties	: None known.	Does not contain explosives.
Explosion limits (% in air)	: Not known.	Lower explosion limit in air (%): 0,6 (Distillates (petroleum), hydro-treated light)
	:	Upper explosion limit in air (%): 7
Oxidising properties	: Not applicable.	Does not contain oxidizing substances.
Decomposition temperature	: Not applicable.	
Viscosity (20°C)	: 1300 mm2/sec	(1 mm2/sec = 1cSt)
Viscosity (40°C)	: > 20,5 mm2/sec	
Vapour pressure (20°C)	: Not known.	
Vapour density (20°C)	: > 1	(air = 1)
Relative density (20°C)	: 1 g/ml	
Evaporation rate	: Not known.	(n-butyl acetate = 1)

SECTION 10 STABILITY AND REACTIVITY
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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	*
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11.1. Information on toxicological effects

No toxicological research has been carried out on this product.

Inhalation

- Acute toxicity : Calculated LC50: > 10 mg/l. Ingredients of unknown toxicity: 10 %. 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: 8 %. ATE: > 2000 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: > 4582 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. 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

Distillates (petroleum), hydro- treated light	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	
	LC50 (inhalation) - estimate	> 5280 mg/m3	Read across	Rat	
	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	
	Pine oil	NOAEL (development) - estimate	500 mg/kg.d	Read across	Rat
		LD50 (oral) - estimate	> 5000 mg/kg bw	Read across	Rat
LD50 (oral)		> 1000 mg/kg bw	----	Rat	
LC50 (inhalation)		3790 mg/m3		Rat	
LD50 (dermal)		400 mg/kg bw		Rabbit	
Mutagenicity		Negative			
Genotoxicity - in vitro		Not genotoxic			
Genotoxicity - in vivo		Not genotoxic			
NOAEL (development, oral)		600 mg/kg bw/d			
Oleic acid, compound with morpholine (1:1) morpholine		LD50 (oral) - estimate	> 2000 mg/kg bw	Read across	
	NOAEL (development) - estimate	75 mg/kg.d	Read across	Rat	
	NOEL (carcinogenicity, inh.)	> 543 mg/m3	----	Rat	
	Genotoxicity - in vivo	500 mg/kg bw/d	----	Chinese Hamster	
	Eye irritation	Corrosive.	OECD 405	Rabbit	
	Skin irritation	Corrosive.	OECD 404	Rabbit	
	LC50 (inhalation)	8000 mg/m3		Rat	
	LD50 (dermal)	500 mg/kg bw		Rabbit	
	LD50 (oral)	1050 mg/kg bw	----	Rat	
	Skin sensitisation	Not sensitizing	OECD 406	Guinea pig	

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 3 % 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.

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 ass

PBT/vPvB assessment : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

12.6. Other adverse effects

Other information : 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 oil	EC50 (waterflea)	24 mg/l		Daphnia magna
	LC50 (fish)	18 mg/l		Oncorhynchus mykiss

SECTION 13 DISPOSAL CONSIDERATIONS

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.
- 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

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 OIL)
- Transport name (IMDG, IATA) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillates (petroleum), hydrotreated light ; Pine oil)

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



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

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

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 (EC) No 453/2010 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations.
: 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 (EC) No 453/2010 dated 20 May 2010 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
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

VOC : Volatile Organic Compounds
vPvB : Very Persistent and Very Bioaccumulative

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 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.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Number format : "," used as decimal separator.

End of safety data sheet.