

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 5/29/2014 Revision date: 5/20/2020 Supersedes version of: 8/26/2019 Version: 2.2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture

Product name : 73480 - AUTOGEAR POWER SYN LS 75W-140

Product code : 73480

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use, Consumer use

Industrial/Professional use spec : Industrial

Function or use category : Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

North Sea Lubricants B.V. B.V.

Ampèrestraat 5

NL- 3846AN Harderwijk

The Netherlands

T+31651345369

support@northsealubricants.com - www.northsealubricants.com

1.4. Emergency telephone number

Emergency number : +31 (0)786527652

Monday to Friday: 09:00 - 16:00 (CET)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

May cause an allergic skin reaction.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

(EU) 2017/2100 or Commission Regulation (EU) 2018/605

EUH-statements : EUH208 - Contains Reaction products of 4-methyl-2-pentanol and diphosphorus

pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl, Polysulphides, di-tert-Bu(68937-96-2), Magnesium metaborate.

May produce an allergic reaction.

EUH210 - Safety data sheet available on request.

2.3. Other hazards

Other hazards which do not result in classification : Flammable liquids. Prolonged or repeated skin contact with the material will remove natural oils which leads to a dermatitis. Spills of this product present a serious slipping hazard.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil substance with national workplace exposure limit(s) (BE, BG, CZ, DK, HR, NL, NO); substance with a Community workplace exposure limit	CAS-No.: 64742-54-7 EC-No.: 265-157-1 EC Index-No.: 649-467-00-8 REACH-no: 01-2119484627- 25	25 – 50	Asp. Tox. 1, H304
Polysulphides, di-tert-Bu	CAS-No.: 68937-96-2 EC-No.: 273-103-3 REACH-no: 01-2119540515- 43	1 – 5	Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Distillates (petroleum), hydrotreated light paraffinic; Baseoil substance with national workplace exposure limit(s) (BE, NL)	CAS-No.: 64742-55-8 EC-No.: 265-158-7 EC Index-No.: 649-468-00-3 REACH-no: 01-2119487077- 29	1 – 5	Not classified
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines,C12-14- tert-alkyl	EC-No.: 931-384-6 REACH-no: 01-2119493620- 38	1 – 2.5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Magnesium metaborate	EC-No.: 237-235-5 REACH-no: 01-2120769073- 53	0.1 – 0.5	Skin Sens. 1B, H317
O,O,O-triphenyl phosphorothioate	EC-No.: 209-909-9 REACH-no: 01-2119979545- 21	0.1 – 0.5	Repr. 2, H361fd

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

First-aid measures after eye contact

First-aid measures after ingestion

4.1. Description of first aid measures

: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical First-aid measures general advice (show the label where possible).

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

breathe fresh air. Allow the victim to rest. First-aid measures after skin contact

: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

: Rinse eyes with water as a precaution. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

: Call a poison center or a doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects : After adequate first aid, no further treatment is required unless symptoms reappear. Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after inhalation : After adequate first aid, no further treatment is required unless symptoms reappear.

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Symptoms/effects after skin contact : After adequate first aid, no further treatment is required unless symptoms reappear. May

cause an allergic skin reaction.

Symptoms/effects after ingestion : After adequate first aid, no further treatment is required unless symptoms reappear.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide. Sand.

Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread. Do not use a heavy water

stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire fighting water from entering the environment.

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

breathing apparatus. Complete protective clothing. Do not enter fire area without proper

protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Eliminate all ignition sources if safe to do so.

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing

dust/fume/gas/mist/vapours/spray. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Wear suitable

protective clothing, gloves and eye/face protection. For further information refer to section 8: $\frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{1}{2}$

"Exposure controls/personal protection". Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or

diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

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

6.4. Reference to other sections

For further information refer to section 13. See Heading 8. Exposure controls and personal protection.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid

breathing dust, fume, gas, mist, spray, vapours. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of

vapour.

Handling temperature : < 40 °C

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash

contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Keep only in the original container in a cool, well

ventilated place away from: Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

Storage temperature : 50 °C

Storage area : Store in a well-ventilated place. Store away from heat.
Special rules on packaging : Store in a closed container. Keep only in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil (64742-54-7)

EU - Indicative Occupational Exposure Limit (IOEL)

IOEL TWA 5 mg/m³

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

8.2.2.1. Eye and face protection

Eye protection:

Chemical goggles or safety glasses

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8.2.2.2. Skin protection

Hand protection:

Wear protective gloves.

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR)	6 (> 480 minutes)	>0.35		

8.2.2.3. Respiratory protection

Respiratory protection:

Wear appropriate mask

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Explosive limits

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Colour : light brown.
Odour : characteristic.
Odour threshold : Not available
Melting point : Not applicable

Freezing point : -36

Boiling point : Not available

Flammability : Not applicable, Non flammable.

Not available

Lower explosive limit (LEL) Not available Upper explosive limit (UEL) Not available Flash point > 201 °C Auto-ignition temperature Not available Decomposition temperature Not available Not available Viscosity, kinematic 174 mm²/s @40°C Solubility insoluble in water. Partition coefficient n-octanol/water (Log Kow) : Not available Not available Vapour pressure Vapour pressure at 50 °C : Not available : 879 kg/m3 @15°C Density Relative density : Not available Relative vapour density at 20 °C : Not available Particle size : Not applicable Particle size distribution : Not applicable Particle shape : Not applicable Particle aspect ratio : Not applicable Particle aggregation state : Not applicable Particle agglomeration state : Not applicable Particle specific surface area : Not applicable Particle dustiness : Not applicable

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9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stable under normal conditions. Not established

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Not established.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified Acute toxicity (dermal) : Not classified Acute toxicity (inhalation) : Not classified

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil (64742-54-7)	
LD50 oral (rat) > 5000 mg/kg bodyweight	
LD50 dermal (rabbit) > 5000 mg/kg	
LC50 inhalation (rat) (Vapours - mg/l/4h) > 5.53 mg/l/4h	
O,O,O-triphenyl phosphorothioate	

LD50 oral (rat)	> 10000 mg/kg bodyweight

LD50 dermal (rat) > 2000 mg/kg bodyweight

	Distillates (petroleum), hydrotreated light paranimic; baseon (64742-55-6)	
LD50 oral (rat)		> 5000 mg/kg
	LD50 dermal (rabbit)	> 5000 mg/kg
LC50 inhalation (rat) (Dust/Mist - mg/l/4h)		> 5.53 mg/l/4h

Skin corrosion/irritation : Not classified

Additional information : Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified

Additional information : Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified.

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: Not classified Germ cell mutagenicity Additional information : Based on available data, the classification criteria are not met

Carcinogenicity : Not classified

Additional information Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified

Additional information : Based on available data, the classification criteria are not met

STOT-single exposure Not classified

Additional information : Based on available data, the classification criteria are not met

STOT-repeated exposure Not classified

Additional information Based on available data, the classification criteria are not met

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil (64742-54-7)

LOAEL (oral, rat, 90 days) 125 mg/kg bodyweight

Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines,C12-14- tert-alkyl

NOAEL (oral, rat, 90 days) 150 mg/kg bodyweight/day

Distillates (petroleum), hydrotreated light paraffinic; Baseoil (64742-55-8)

125 mg/kg bodyweight/day Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 LOAEL (oral, rat, 90 days) (Repeated Dose 90-Day Oral Toxicity in Rodents)

Aspiration hazard Not classified

Additional information Based on available data, the classification criteria are not met

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Viscosity, kinematic 174 mm²/s @40°C

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Potential adverse human health effects and symptoms

: Based on available data, the classification criteria are not met

: Based on available data, the classification criteria are not met

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse

effects in the environment.

Hazardous to the aquatic environment, short-term

(acute)

: Not classified

Hazardous to the aquatic environment, long-term

(chronic)

: Not classified

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil (64742-54-7)		
LC50 - Fish [1] > 100 mg/l Pimephales promelas		
EC50 - Crustacea [1]	> 10000 mg/l Daphnia magna	
NOEC chronic fish	1000 mg/l Oncorhynchus mykiss	
NOEC chronic crustacea	10 mg/l Daphnia magna	
NOEC chronic algae > 100 mg/l Pseudokirchneriella subcapitata		
O,O,O-triphenyl phosphorothioate		
LC50 - Fish [1]	> 100 mg/l Danio rerio	

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EC50 - Crustacea [1]

O,O,O-triphenyl phosphorothioate

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Polysulphides, di-tert-Bu (68937-96-2)			
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subcapitata			
12.2. Persistence and degradability			
73480 - AUTOGEAR POWER SYN LS 75W-140			
-7)			
В			
le, propoxylated,esterified with diphosphorus			
)			

> 100 mg/l Daphnia magna

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12.3. Bioaccumulative potential

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Bioaccumulative potential Not established.

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil (64742-54-7)

Partition coefficient n-octanol/water (Log Kow) > 4

O,O,O-triphenyl phosphorothioate

BCF - Fish [1] 2551

Bioaccumulative potential Bioaccumulative potential.

Polysulphides, di-tert-Bu (68937-96-2)

Partition coefficient n-octanol/water (Log Kow)

Distillates (petroleum), hydrotreated light paraffinic; Baseoil (64742-55-8)

6

Partition coefficient n-octanol/water (Log Pow) > 6

12.4. Mobility in soil

O,O,O-triphenyl phosphorothioate

Ecology - soil Adsorbs into the soil.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

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

Product/Packaging disposal recommendations

Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials

: Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID		
14.1. UN number or ID n	14.1. UN number or ID number					
Not applicable	Not applicable Not applicable Not applicable Not applicable Not applicable					
14.2. UN proper shippin	14.2. UN proper shipping name					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
14.3. Transport hazard class(es)						
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		

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ADR	IMDG	IATA	ADN	RID
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental haz	zards			
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

Air transport

No data available

Inland waterway transport

No data available

Rail transport

No data available

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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SECTION 16: Other information

Section Changed item Change Comments Supersedes Added Revision date Added Adverse physicochemical, human health and environmental effects Precautionary statements (CLP) Modified At First-aid measures after skin contact Modified At First-aid measures after inhalation Modified At First-aid measures after inpastion Modified At First-aid measures after inpastion Modified At First-aid measures after eye contact Modified At First-aid measures after eye contact Modified At Symptoms/effects after skin contact Modified At Symptoms/effects after skin contact Modified At Symptoms/effects after eye contact Modified At Methods for cleaning up Added At Modified At Methods for safe handling Added At Modified					
Supersedes Added Revision date Added Adverse physicochemical, human health and environmental effects 2.2 Precautionary statements (CLP) Modified 4.1 First-aid measures after skin contact Modified 4.1 First-aid measures after inhalation Modified 4.1 First-aid measures after inhalation Modified 4.1 First-aid measures after inhalation Modified 4.1 First-aid measures after injection Modified 4.1 First-aid measures after eye contact Modified 4.2 Symptoms/effects after skin contact Modified 4.2 Symptoms/effects after skin contact Modified 4.3 Other medical advice or treatment Added 5.2 Hazardous decomposition products in case of fire 5.3 Protection during firefighting Modified 6.1 Protective equipment Modified 6.1 Emergency procedures Modified 6.2 Environmental precautions Modified 6.3 Other information Added 6.4 Reference to other sections (8, 13) Modified 7.1 Hygiene measures Modified 7.1 Precautions for safe handling Modified 7.1 Precautions for safe handling Modified 7.2 Storage conditions Modified 8.2 Environmental exposure controls Added 8.3 Appropriate engineering controls Added 8.4 Appropriate engineering controls Added 9.1 Melting point Added 10.1 Reactivity Added 10.1 Reactivity Added	Indication of changes				
Revision date Added Added Adverse physicochemical, human health and environmental effects Precautionary statements (CLP) Modified 4.1 First-aid measures after skin contact Modified 4.2 Symptoms/effects after skin contact Modified 4.2 Symptoms/effects after skin contact Modified 4.3 Other medical advice or treatment Added 4.3 Other medical advice or treatment Added fire 5.3 Protection during firefighting Modified 6.1 Protective equipment Modified 6.1 Emergency procedures Modified 6.2 Environmental precautions Modified 6.3 Other information Added 6.4 Reference to other sections (8, 13) Modified 7.1 Hygiene measures Modified 7.1 Precautions for safe handling Modified 7.1 Precautions for safe handling Modified 8.2 Environmental exposure controls Added 8.2 Appropriate engineering controls Added 9.1 Melting point Melting point Melting point Added 10.1 Reactivity Added Added Added 10.1 Reactivity Added Added Added Added Added 10.1 Reactivity Added Added Added Added Added Added Modified	Section	Changed item	Change	Comments	
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13.1 Waste treatment methods Added	10.1	Reactivity	Added		
	12.1	Ecology - general	Added		
13.1 Waste disposal recommendations Modified	13.1	Waste treatment methods	Added		
	13.1	Waste disposal recommendations	Modified		

Data sources

: 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information

: None.

5/20/2020 (Revision date) EU - en 11/12

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Full text of H- and EUH	Full text of H- and EUH-statements:		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4		
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2		
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3		
Asp. Tox. 1	Aspiration hazard, Category 1		
EUH208	Contains Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl, Polysulphides, di-tert-Bu(68937-96-2), Magnesium metaborate. May produce an allergic reaction.		
EUH210	Safety data sheet available on request.		
Eye Dam. 1	Serious eye damage/eye irritation, Category 1		
H302	Harmful if swallowed.		
H304	May be fatal if swallowed and enters airways.		
H317	May cause an allergic skin reaction.		
H318	Causes serious eye damage.		
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.		
H411	Toxic to aquatic life with long lasting effects.		
H412	Harmful to aquatic life with long lasting effects.		
Repr. 2	Reproductive toxicity, Category 2		
Skin Sens. 1B	Skin sensitisation, category 1B		

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.