

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 4/8/2015 Revision date: 4/28/2019 Supersedes version of: 12/11/2015 Version: 2.0

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

#### 1.1. Product identifier

Product form : Mixture

Product name : 72400 - WAVE POWER EXCELLENCE 20W-50

Product code : 72400

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

#### 1.2.1. Relevant identified uses

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

#### 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+31 651345369

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

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

## 2.2. Label elements

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

EUH-statements : EUH210 - Safety data sheet available on request.

#### 2.3. Other hazards

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

#### **SECTION 3: Composition/information on ingredients**

## 3.1. Substances

Not applicable

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#### 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	≥ 75	Asp. Tox. 1, H304
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-	2.5 – 10	Not classified
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil substance with national workplace exposure limit(s) (BG, CZ, DK, HR, NL); substance with a Community workplace exposure limit	CAS-No.: 64742-65-0 EC-No.: 265-169-7 EC Index-No.: 649-474-00-6 REACH-no: 01-2119471299- 27	1 – 2.5	Asp. Tox. 1, H304
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts substance with national workplace exposure limit(s) (DE, SK)	CAS-No.: 84605-29-8 EC-No.: 283-392-8 REACH-no: 01-2119493626- 26	0.5 – 2.5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Phenol, dodecyl-, sulfurized, carbonates,calcium salts, overbased	EC-No.: 701-251-5 REACH-no: 01-2119524004- 56	0.5 – 2.5	Aquatic Chronic 4, H413

Specific concentration limits:		
Name	Product identifier	Specific concentration limits
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	CAS-No.: 84605-29-8 EC-No.: 283-392-8 REACH-no: 01-2119493626- 26	( 15 <c 100)="" 2,="" <="" h315<br="" irrit.="" skin="">( 15 <c 2,="" 20)="" eye="" h319<br="" irrit.="" ≤="">( 20 <c 1,="" 100)="" <="" dam.="" eye="" h318<="" td=""></c></c></c>

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

## **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical 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 : Remove affected clothing and wash all exposed skin area with mild soap and water,

followed by warm water rinse. Wash skin with plenty of water.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

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

Treat symptomatically.

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#### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

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

Unsuitable extinguishing media : 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 enter fire area without proper protective equipment, including respiratory protection.

Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

#### **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew

with proper protection. For further information refer to section 8: "Exposure

controls/personal 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

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

## **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. 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.

Hygiene measures : 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 : Keep only in the original container in a cool, well ventilated place away from : Keep

container closed when not in use. Store in a well-ventilated place. Keep cool.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

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## 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	
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil (64742-65-0)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	5 mg/m³
IOEL STEL	10 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 symbol(s):







#### 8.2.2.1. Eye and face protection

No additional information available

## 8.2.2.2. Skin protection

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR), Neoprene rubber (HNBR)	5 (> 240 minutes)	0.7	3 (> 0.65)	EN ISO 374
	Polyvinylchloride (PVC)	2 (> 30 minutes)	0.4	3 (> 0.65)	EN ISO 374

## 8.2.2.3. Respiratory protection

No additional information available

#### 8.2.2.4. Thermal hazards

No additional information available

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#### 8.2.3. Environmental exposure controls

#### **Environmental exposure controls:**

Avoid release to the environment.

#### Other information:

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 : brown. Odour : characteristic. Odour threshold : Not available : Not applicable Melting point : -27 °C Freezing point Boiling point : Not available : Non flammable. Flammability : Not available **Explosive limits** : Not available Lower explosive limit (LEL) Upper explosive limit (UEL) : Not available : > 201 °C Flash point Auto-ignition temperature : Not available Decomposition temperature Not available Not available рΗ Viscosity, kinematic 150 mm<sup>2</sup>/s @40°C Solubility Not available Partition coefficient n-octanol/water (Log Kow) : Not available Vapour pressure : Not available Vapour pressure at 50 °C : Not available Density : 878.5 kg/m<sup>3</sup> Relative density : Not available : Not available : Not applicable : Not applicable : Not applicable

Relative vapour density at 20 °C Particle size Particle size distribution Particle shape Particle aspect ratio : Not applicable : Not applicable Particle aggregation state Particle agglomeration state : Not applicable Particle specific surface area : Not applicable Particle dustiness : Not applicable

#### 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

Not established.

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## 10.3. Possibility of hazardous reactions

Not established.

## 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

## 10.5. Incompatible materials

Strong acids. Strong bases.

## 10.6. Hazardous decomposition products

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

Phenol, dodecyl-, sulfurized, carbonates,calcium salts, overbased	
LD50 oral (rat)	> 5000 mg/kg
LD50 dermal (rabbit)	> 4000 µg/kg
LC50 inhalation (rat) (Vapours - mg/l/4h)	> 0.835 mg/l/4h

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

Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil (64742-65-0)		y paraffinic; Baseoil (64742-65-0)
	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

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

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)	
LD50 oral (rat)	3150 mg/kg
LD50 dermal (rat)	> 2002 mg/kg
LC50 inhalation (rat) (Vapours - mg/l/4h)	> 2.3 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

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

Germ cell mutagenicity : Not classifie

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

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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 pa		raffinic; Baseoil (64742-54-7)	
	LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight	

# Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil (64742-65-0)

LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight
NOAEL (dermal, rat/rabbit, 90 days)	≈ 1000 mg/kg bodyweight

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

LOAEL (oral, rat, 90 days)

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

## Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)

NOAEL (oral, rat, 90 days) 160 mg/kg bodyweight

Aspiration hazard : Not classified

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

## 72400 - WAVE POWER EXCELLENCE 20W-50

Viscosity, kinematic 150 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

## **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)

n : Not classified

Hazardous to the aquatic environment, long-term : Not classified

(chronic)

Sitionic)	
Phenol, dodecyl-, sulfurized, carbonates,calcium salts, overbased	
LC50 - Fish [1]	> 1000 mg/l Pimephales promelas
EC50 - Crustacea [1]	> 1000 mg/l Daphnia magna
EC50 96h - Algae [1]	> 500 mg/l Pseudokirchneriella subcapitata
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

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Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil (64742-54-7)		
NOEC chronic crustacea 10 mg/l Daphnia magna		
NOEC chronic algae	> 100 mg/l Pseudokirchneriella subcapitata	
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil (64742-65-0)		
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	
Distillates (petroleum), hydrotreated light paraffinic; Baseoil (64742-55-8)		
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	
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)		
LC50 - Fish [1]	4.5 mg/l Oncorhynchus mykiss	
EC50 - Crustacea [1]	23 mg/l Daphnia magna	
EC50 72h - Algae [1]	24 mg/l Desmodesmus subspicatus	
NOEC chronic crustacea	0.4 mg/l Daphnia magna	
NOEC chronic algae	10 mg/l Desmodesmus subspicatus	
	•	

# 12.2. Persistence and degradability

72400 - WAVE POWER EXCELLENCE 20W-50		
Persistence and degradability	Not established.	
Phenol, dodecyl-, sulfurized, carbonates,calcium salts, overbased		
Persistence and degradability	Not readily biodegradable.	
Biodegradation	13.4 % OECD 301B 28 days	
Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil (64742-54-7)		
Persistence and degradability	Not readily biodegradable.	
Biodegradation	31 % 28 d OECD 301F	
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil (64742-65-0)		
Persistence and degradability	Not readily biodegradable.	
Biodegradation	31 % 28 d OECD 301F	
Distillates (petroleum), hydrotreated light paraffinic; Baseoil (64742-55-8)		
Biodegradation	31 % 28 d, OECD TG 301 F	
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)		
Persistence and degradability	Not readily biodegradable.	
Biodegradation	1.5 % 28 Days (OECD 301 B)	

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## 12.3. Bioaccumulative potential

724NN -	WAVE	OWER	<b>FXCFII</b>	FNCE	20W_50

Bioaccumulative potential Not established.

## Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased

Partition coefficient n-octanol/water (Log Pow) 9

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

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

#### Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil (64742-65-0)

Bioconcentration factor (BCF REACH) 260

Partition coefficient n-octanol/water (Log Pow) 9.2

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

Partition coefficient n-octanol/water (Log Pow) > 0

#### Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)

Partition coefficient n-octanol/water (Log Pow) 0.56

#### 12.4. Mobility in soil

## Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)

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 number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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ADR	IMDG	IATA	ADN	RID
14.3. Transport hazard o	14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental haz	ards			
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
No supplementary information	n available			

## 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**

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.

Full text of H- and EUH-statements:		
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2	
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4	
Asp. Tox. 1	Aspiration hazard, Category 1	
EUH210	Safety data sheet available on request.	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H304	May be fatal if swallowed and enters airways.	
H315	Causes skin irritation.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H411	Toxic to aquatic life with long lasting effects.	
H413	May cause long lasting harmful effects to aquatic life.	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	

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.

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