

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878 Issue date: 08/04/2015 Revision date: 29/08/2019 Supersedes version of: 28/04/2019 Version: 1.2

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

1.1. Product identifier

Product form	: Mixture
Product name	: 42350 - MOTOR OIL SYNTHETIC 10W-30
Product code	: 42350

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

1.2.1. Relevant identified uses

Main use category Industrial/Professional use spec : Professional use, Industrial use Industrial For professional use only

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

77 Lubricants 1761 JA - The Netherlands T+31 (0)78 6527652 technical@77lubricants.nl - www.77lubricants.nl

1.4. Emergency telephone number

Emergency number

+31 (0)78 6527652 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]Mixtures/Substances: SDS EU > 2015: According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

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 a Community workplace exposure limit (Note L)	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 (Note L)	CAS-No.: 64742-55-8 EC-No.: 265-158-7 EC Index-No.: 649-468-00-3 REACH-no: 01-2119487077- 29	2.5 – 5	Asp. Tox. 1, H304
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil substance with a Community workplace exposure limit (Note L)	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	Not classified
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	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) Skin Irrit. 2, H315 (15 ≤C < 20) Eye Irrit. 2, H319 (20 <c 1,="" 100)="" dam.="" eye="" h318<="" td="" ≤=""></c>

Note L : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3. Full text of H-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.

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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.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	Foam. Dry powder. Carbon dioxide. Water spray. Sand.Do not use a heavy water stream.
5.2. Special hazards arising from the subst	tance 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, protect	ive 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".

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

: Ventilate area.

6.3. Methods and material for containm	ent 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.

Emergency procedures

6.2. Environmental precautions

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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.
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/m ³		

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

Skin and body protection: Wear suitable protective clothing

8.2.2.3. Respiratory protection

No additional information available

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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:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical pro	operties
9.1. Information on basic physical and che	emical properties
Physical state	: Liquid
Colour	: brown.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: -36 °C ASTM D7346
Boiling point	: Not available
Flammability	: Non flammable.
Explosive limits	: 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
рН	: Not available
Viscosity, kinematic	: 75.9 mm²/s @40°C ASTM D7042
Solubility	: insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: 869 kg/m ³ ASTM D4052
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

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 informati	ion		
11.1. Information on hazard classes as d	efined in Regulation (EC) No 1272/2008		
cute toxicity (oral)	: Not classified		
Acute toxicity (dermal) Acute toxicity (inhalation)	: Not classified : Not classified		
Distillates (petroleum), hydrotreated hea			
LD50 oral (rat)	> 5000 mg/kg bodyweight		
LD50 dermal (rabbit)	> 5000 mg/kg		
LC50 inhalation (rat) (Dust/Mist - mg/l/4h)	> 5.53 mg/l/4h		
Distillates (petroleum), hydrotreated ligh	nt paraffinic; Baseoil (64742-55-8)		
LD50 oral (rat)	> 5000 mg/kg		
LD50 dermal (rabbit)	> 2000 mg/kg		
LC50 inhalation (rat) (Vapours - mg/l/4h)	> 5.53 mg/l/4h		
Distillates (petroleum), solvent-dewaxed	l heavy 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		
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)			
LD50 oral (rat)	3100 mg/kg (OECD 401)		
LD50 dermal (rat)	> 2002 mg/kg (OECD 402)		
LC50 inhalation (rat) (Vapours - mg/l/4h)	> 2.3 mg/l/4h (OECD 403)		
ATE CLP (oral)	3100 mg/kg bodyweight		
Phenol, dodecyl-, sulfurized, carbonates	s,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		
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		

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Germ cell mutagenicity	: Not classified			
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	y paraffinic; Baseoil (64742-54-7)			
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)			
Distillates (petroleum), hydrotreated light	paraffinic; Baseoil (64742-55-8)			
OAEL (oral, rat, 90 days) 125 mg/kg bodyweight/day Animal: rat, Animal sex: male, Guideline: OECD Guideli (Repeated Dose 90-Day Oral Toxicity in Rodents)				
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			
Phosphorodithioic acid, mixed O,O-bis(1,3	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			
42350 - MOTOR OIL SYNTHETIC 10W-30				
Viscosity, kinematic	75.9 mm²/s @40°C ASTM D7042			
11.2. Information on other hazards				
11.2.1. Endocrine disrupting properties				
11.2.2. Other information				

Potential adverse human health effects and : Based on available data, the classification criteria are not met symptoms

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 pa	raffinic; Baseoil (64742-54-7)
LC50 - Fish [1]	> 100 mg/l Pimephales promelas
EC50 - Crustacea [1]	> 10000 mg/l Daphnia magna
EC50 72h - Algae [1]	> 100 mg/l Pseudokirchneriella subcapitata
NOEC chronic fish	1000 mg/l Oncorhynchus mykiss
NOEC chronic crustacea	10 mg/l Daphnia magna

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Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil (64742-54-7)		
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]	> 1000 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), 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	
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	
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	

12.2. Persistence and degradability

42350 - MOTOR OIL SYNTHETIC 10W-30			
Persistence and degradability Not established.			
Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil (64742-54-7)			
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		
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil (64742-65-0)			
Persistence and degradability Not readily biodegradable.			
Biodegradation	31 % 28 d OECD 301F		
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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Phenol, dodecyl-, sulfurized, carbonates, c	alcium salts, overbased
Persistence and degradability	Not readily biodegradable.
Biodegradation	13.4 % OECD 301B 28 days
12.3. Bioaccumulative potential	
42350 - MOTOR OIL SYNTHETIC 10W-30	
Bioaccumulative potential	Not established.
Distillates (petroleum), hydrotreated heavy	y paraffinic; Baseoil (64742-54-7)
Partition coefficient n-octanol/water (Log Kow)	> 4
Distillates (petroleum), hydrotreated light	paraffinic; Baseoil (64742-55-8)
Partition coefficient n-octanol/water (Log Pow)	> 6
Distillates (petroleum), solvent-dewaxed h	eavy paraffinic; Baseoil (64742-65-0)
Bioconcentration factor (BCF REACH)	260
Partition coefficient n-octanol/water (Log Pow)	9.2
Phosphorodithioic acid, mixed O,O-bis(1,3	3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)
Partition coefficient n-octanol/water (Log Pow)	0.56
Phenol, dodecyl-, sulfurized, carbonates,c	alcium salts, overbased
Partition coefficient n-octanol/water (Log Pow)	9.5
12.4. Mobility in soil	
Phosphorodithioic acid, mixed O,O-bis(1,3	B-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)
Ecology - soil	Adsorbs into the soil.
12.5. Results of PBT and vPvB assessmen	t
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.

Waste treatment methods	:
Product/Packaging disposal recommendations	:
Ecology - waste materials	:

Dispose of contents/container in accordance with licensed collector's sorting instructions.
Dispose in a safe manner in accordance with local/national regulations.
Avoid release to the environment.

SECTION 14: Transport information

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

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ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID n	umber			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping	g name			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard c	lass(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 informatio	n available	1		1

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

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 Other information	 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. None. 	
Other mormation	. 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	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Skin Irrit. 2	Skin corrosion/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.	
EUH210	Safety data sheet available on request.	

Safety Data Sheet (SDS), EU

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