

Safety Data Sheet

according to Regulation (EU) 2015/830 Date of issue:11/10/2015 Revision date:11/10/2015

Version: 1.0

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0505		
		ostance/mixture and of the company/undertaking
1.1.	Product identifier	
Product		: Mixture
Product		: ENOC Vulcan HV80 25W-70
Product	code	: 200060
1.2.	Relevant identified uses of the subs	stance or mixture and uses advised against
1.2.1.	Relevant identified uses	
Use of th	ne substance/mixture	: Diesel Engine Oil
1.2.2.	Uses advised against	
No addit	ional information available	
1.3.	Details of the supplier of the safety	data sheet
ENOC H Dubai - I	/arketing L.L.C łouse I United Arab Emirates ł 313 4613 - F +971 4 313 4616	
1.4.	Emergency telephone number	
Emerger	ncy number	: +97143374400 (business hours)
SECTI	ON 2: Hazards identification	
2.1.	Classification of the substance or n	nixture
Classifi	cation according to Regulation (EC) I	No. 1272/2008 [CLP]
Hazardo	us to the aquatic environment — Chron	ic Hazard, Category 2 H411
Full text	of H statements : see section 16	
2.2.	Label elements	
	g according to Regulation (EC) No. 1 bictograms (CLP)	272/2008 [CLP]
Tiazai u p		GHS09
Signal w	rord (CLP)	
-	statements (CLP)	: H411 - Toxic to aquatic life with long lasting effects
	onary statements (CLP)	 P273 - Avoid release to the environment P391 - Collect spillage P501 - Dispose of contents/container to
EUH-sta	tements	: EUH208 - Contains Calcium petroleum sulfonate(61789-86-4). May produce an allergic reaction
2.3.	Other hazards	
NU AUUIL		
SECTI	ON 3: Composition/informatic	on on ingredients
0.4	Ordentaria	

3.1. Substance Not applicable

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
-Distillates (petroleum), hydrotreated heavy paraffinic	(CAS No) 64742-54-7 (EC no) 265-157-1 (EC index no) 649-467-00-8 (REACH-no) 01-2119484627-25-0025; 01- 2119484627-25 01-2119471299-27-0019; 01-2119471299-27	8.75	Not classified
Paraffin oils (petroleum), catalytic dewaxed heavy, Baseoil - unspecified, [A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 °F (19cSt at 40 °C).]	(CAS No) 64742-70-7 (EC no) 265-174-4 (EC index no) 649-477-00-2 (REACH-no) 01-2119487080-42-0003; 01- 2119487080-42 01-2119484627-25-0025; 01-2119484627-25 01-2119471299-27- 0019; 01-2119471299-27	63.9	Carc. not classified according to note L of CLP (contains less than 3 % DMSO extract)
Residual oils (petroleum), hydrotreated, Baseoil - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly greater than C25 and boiling above approximately 400 °C (752 °F).]	(CAS No) 64742-57-0 (EC no) 265-160-8 (EC index no) 649-470-00-4 (REACH-no) 01-2119489287-22 01- 2119480472-38-0013; 01-2119480472-38	17.5	Carc. not classified according to note L of CLP (contains less than 3 % DMSO extract)
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and isopropyl) esters, zinc salts	(CAS No) 84605-29-8 (EC no) 283-392-8 (REACH-no) Not available	0.8	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Phenol, dodecyl-, branched	(CAS No) 121158-58-5 (EC no) 310-154-3 (REACH-no) Not available	0.4	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361 Aquatic Chronic 1, H410 (M=10)
Calcium petroleum sulfonate	(CAS No) 61789-86-4 (EC no) 263-093-9 (REACH-no) Not available	0.18	Skin Sens. 1, H317

Full text of H-statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	: Take off immediately all contaminated clothing. Wash off immediately with soap and plenty of water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse immediately and plentifully with water, also under the eyelids, for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	: Do not induce vomiting. Never give anything by mouth to an unconscious person. Immediately get medical attention.
4.2. Most important symptoms and effe	cts, both acute and delayed
Symptoms/injuries	: Aspiration of this material may cause chemical pneumonia.
Symptoms/injuries after inhalation	: May cause irritation to the respiratory tract.
Symptoms/injuries after skin contact	 Injection under the skin of pressurized hydrocarbons can cause severe, permanent tissue damage. May cause skin irritation / dermatitis.
Symptoms/injuries after eye contact	: May cause eye irritation.
4.3. Indication of any immediate medica	al attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: carbon dioxide (CO2), water, dry chemical powder.
Unsuitable extinguishing media	: None known.
5.2. Special hazards arising from the su	bstance or mixture
Fire hazard	: None known.
Explosion hazard	: None known.
Hazardous decomposition products in case of fire	: Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. Aldehydes. Sulphur oxides.
5.3. Advice for firefighters	
Firefighting instructions	: Cool down the containers exposed to heat with a water spray.

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SECTION 6: Accidental release	
6.1. Personal precautions, protecti	ve equipment and emergency procedures
6.1.1. For non-emergency personnel	
Protective equipment	: Wear personal protection equipment.
Emergency procedures	: Evacuate area. Avoid contact with skin, eyes and clothes.
6.1.2. For emergency responders	
Protective equipment	: Wear suitable protective clothing. In case of fire: Wear self-contained breathing apparatus.
Emergency procedures	: Evacuate and limit access. Stop leak if safe to do so. Use ventilation/water spray/fog to disperse vapours. Do not touch spilled material.
6.2. Environmental precautions	
Avoid release to the environment. Notify a	uthorities if liquid enters sewers or public waters.
6.3. Methods and material for cont	ainment and cleaning up
For containment	: Clean up any spills as soon as possible, using an absorbent material to collect it. For larger spills, dike area and pump into waste containers.
Methods for cleaning up	: Collect all waste in suitable and labelled containers and dispose according to local legislation
6.4. Reference to other sections	
No additional information available	
SECTION 7: Handling and stora	ge
7.1. Precautions for safe handling	
Additional hazards when processed	: Handling this product may result in electrostatic accumulation. Use proper grounding procedures. May result in aspiration into the lungs.
Precautions for safe handling	: Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Avoid static electricity discharges. Provide earthing of containers, equipment, pumps and ventilation facilities.
Hygiene measures	: Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Handle in accordance with good industrial hygiene and safety practices. Take off contaminate clothes. Wash contaminated clothing prior to re-use.
7.2. Conditions for safe storage, in	cluding any incompatibilities
Storage conditions	: Store in a dry, cool and well-ventilated place.
Special rules on packaging	: 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	
No additional information available	
8.2. Exposure controls	
Appropriate engineering controls	: Either local exhaust or general room ventilation is usually required.
Personal protective equipment	: Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.
Materials for protective clothing	: Wear suitable protective clothing. Natural fibres (e.g. cotton)
Hand protection	: Wear suitable gloves tested to EN374. Thickness of glove material: > 0.13 mm. Break throug time: ≥ 480 min.
Eye protection	: Use splash goggles when eye contact due to splashing is possible. DIN EN 166
Respiratory protection	 In case of inadequate ventilation wear respiratory protection. Wear a respirator conforming to EN140 with Type A/P2 filter or better.
Eye protection Respiratory protection	 time: ≥ 480 min. Use splash goggles when eye contact due to splashing is possible. DIN EN 166 In case of inadequate ventilation wear respiratory protection. Wear a respirator conformir

SECT	SECTION 9: Physical and chemical properties		
9.1.	Information on basic physical and chemical properties		
Physical	state	: Liquid	
Colour		: amber.	
Odour		: Characteristics.	
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Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 266 °C (Open Cup)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.8946 g/cm³ @ 15.5°C
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: 29.5 mm²/s @ 100°C
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive. However, formation of explosive air/vapour mixtures are possible.
Oxidising properties	: not oxidizing.
Explosive limits	: No data available
9.2. Other information	

No additional information available

SECT	ION 10: Stability and reactivity
10.1.	Reactivity
Stable u	Inder normal conditions.
10.2.	Chemical stability
Stable u	inder normal conditions.
10.3.	Possibility of hazardous reactions
None kr	nown under normal conditions of use. No polymerization.
10.4.	Conditions to avoid
Keep av	vay from heat/sparks/open flames/hot surfaces No smoking.
10.5.	Incompatible materials
Strong o	oxidizing agents.
10.6.	Hazardous decomposition products
No haza	ardous decomposition products known at room temperature.

SECTION 11: Toxicological inf	brmation	
11.1. Information on toxicological	effects	
Acute toxicity	: Not classified	
-Distillates (petroleum), hydrotreated	heavy paraffinic (64742-54-7)	
LD50 oral rat	> 5000 mg/kg	
LD50 dermal rat	> 5000 mg/kg	
LC50 inhalation rat (mg/l)	> 5000 mg/m ³	
Phosphorodithioic acid, mixed 0,0-b	is(1,3-dimethylbutyl and isopropyl) esters, zinc salts (84605-29-8)	
LD50 oral rat	2000 mg/kg	
LD50 dermal rabbit	> 3200 mg/kg	
Calcium petroleum sulfonate (61789-	86-4)	
LD50 oral rat	> 20 g/kg	
LD50 dermal rabbit	> 4000 mg/kg	
Skin corrosion/irritation	: Not classified	
Serious eye damage/irritation	: Not classified	
Respiratory or skin sensitisation	: Not classified	
Germ cell mutagenicity	: Not classified	

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Carcinogenicity	: Not classified
Reproductive toxicity Specific target organ toxicity (single exposure)	: Not classified : Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
ENOC Vulcan HV80 25W-70	
Viscosity, kinematic	29.5 mm²/s @ 100°C

SECTION 12: Ecological information

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12.1. Toxicity
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Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and isopropyl) esters, zinc salts (84605-29-8)		
LC50 fish 1	10 - 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])	
LC50 fish 2	38 mg/l (Exposure time: 96 h - Species: Pimephales promelas)	
EC50 Daphnia 1	0.1 - 1 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
Calcium petroleum sulfonate (61789-86-4)		
LC50 fish 1	5.7 - 9.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])	
LC50 fish 2	1.0 - 10.0 mg/l (Exposure time: 96 h - Species: Pimephales promelas [semi-static])	
EC50 Daphnia 1	6.2 - 12 mg/l (Exposure time: 48 h - Species: Daphnia magna)	

12.2. Persistence and degradability

-Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
Persistence and degradability	Inherently biodegradable.	
12.3. Bioaccumulative potential		
-Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
Bioaccumulative potential	Bioaccumulative potential.	
12.4. Mobility in soil		

No additional information available

12.5. Results of PBT and vPvB assessment

Component	
-Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
Regional legislation (waste)	: Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.	
Waste treatment methods	: Can be incinerated according to local regulations.	
Waste disposal recommendations	: Dispose of this material and its container to hazardous or special waste collection point.	
European List of Waste (LoW) code	: 13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils	

SECTION 14: Transport information

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

14.1. UN number		
Not regulated for transport		
5		
14.2. UN proper shipping name		
Proper Shipping Name (ADR)	: Not applicable	
Proper Shipping Name (IMDG)	: Not applicable	
Proper Shipping Name (IATA)	: Not applicable	
Proper Shipping Name (ADN)	: Not applicable	
Proper Shipping Name (RID)	: Not applicable	
14.3. Transport hazard class(es)		
ADR		
Transport hazard class(es) (ADR)	: Not applicable	
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IMDG	
Transport hazard class(es) (IMDG)	: Not applicable
ΙΑΤΑ	
Transport hazard class(es) (IATA)	: Not applicable
ADN	
Transport hazard class(es) (ADN)	: Not applicable
RID	
Transport hazard class(es) (RID)	: Not applicable
14.4. Packing group	
Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable
14.5. Environmental hazards	
Dangerous for the environment	: Yes
Marine pollutant	: Yes
Other information	: No supplementary information available
14.6. Special precautions for user	
14.6. Special precautions for user	
- Overland transport	
No data available	
Transport by sea	
- Transport by sea	
No data available	
- Air transport	
No data available	
Internet water war store an ext	
- Inland waterway transport	
No data available	
- Rail transport	
No data available	
14.7. Transport in bulk according to Anno	ax II of MARROL 72/79 and the IRC Code
	ex II of MARPOL 73/78 and the IBC Code
Not applicable	
SECTION 15: Regulatory information	n
15.1. Safety, health and environmental re	gulations/legislation specific for the substance or mixture
15.1.1. EU-Regulations	
ů –	
Contains no REACH substances with Annex XV	
Contains no substance on the REACH candidate	e list
Contains no REACH Annex XIV substances	
Other information, restriction and prohibition	: International regulatory information:
regulations	AICS: Australia. Inventory of Chemical Substances (AICS) (as amended through 1 September
	2015) CAS RN: 64742-54-7
	Name: Distillates, petroleum, hydrotreated heavy paraffinic
	Note(s): aU -This entry is a chemical of unknown or variable composition, a complex
	product of a chemical reaction, or a biological material (UVCB); the Australian inventory
	denotes this by putting an asterisk (*) after the CAS number. DSL: Canada. Domestic Substances List (DSL), as amended through September 23, 2015
	CAS RN: 64742-54-7
	Name: Distillates, petroleum, hydrotreated heavy paraffinic

Name: Distillates, petroleum, hydrotreated heavy paraffinic Canada. Categorization of Existing Substances on DSL (September 2006) CAS RN: 64742-54-7

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Name: DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	
Substance category: UORG Meets CEPA criteria: Yes	
Meets human health criteria: Yes	
Human health priority: High	
Meets environmental criteria: No Persistent: Yes	
Bioaccumulative: No	
Inherently toxic to aquatic organisms: No	
Notes: UVCBs-organic ENCS: not listed	
KECI: Korea. Existing Chemicals Inventory (KECI, January 27, 2015, amended through Mol	Е
2015-95, July 1, 2015) CAS RN: 64742-54-7	
Name: Distillates (petroleum), hydrotreated heavy paraffinic	
Korean ID Number: KE-12546	
PICCS: Philippines. Inventory of Chemicals and Chemical Substances (PICCS) 2012 CAS RN: 64742-54-7	
Name: Distillates (petroleum), hydrotreated heavy paraffinic	
TSCA: U.S. Federal, TSCA TSCA IUR 2006, Partially Exempt Petroleum Process Streams (40 CFR 710.46(b)(1))	
CAS RN: 64742-54-7	
Name: DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC TSCA CDR, Partially Exempt Petroleum Process Streams (40 CFR 711.6(b)(1)) (Septembe	r 6
2011)	. 0,
CAS RN: 64742-54-7 Name: Distillates (petroleum), hydrotreated heavy paraffinic	
TSCA High Production Volume (HPV) Chemicals: 1990, 1994 & Post-1994 Additions (01/20	/06)
CAS RN: 64742-54-7	
Name: DISTILLATES, PETROLEUM, HYDROTREATED HEAVY PARAFFINIC 1990 HPV Challenge Program Chemical	
HPV Indicator Value (see notes): 0 Chemical is a candidate for sponsorship under	r
the HPV Challenge Program HPV Sponsorship Value (see notes): F Fully Sponsored Chemical	
. International regulatory information:	
AICS: Australia. Inventory of Chemical Substances (AICS) (as amended through 1 Septemb 2015)	ber
CAS RN: 64742-70-7	
Name: Paraffin oils, petroleum, catalytic dewaxed heavy Note(s): aU This entry is a chemical of unknown or variable composition, a complex product	of
a chemical reaction, or a biological material (UVCB); the Australian inventory denotes this b	
putting an asterisk (*) after the CAS number.	
DSL: Canada. Domestic Substances List (DSL), as amended through September 23, 2015	
CAS RN: 64742-70-7 may be regulated as a member of the Generics group for CAS RN: 80)12-
95-1 Generics group name: PARAFFIN OILS	
Substance category: UORG	
Meets CEPA criteria: Yes	
Meets human health criteria: Yes Human health priority: Moderate	
Meets environmental criteria: No	
Persistent: No Bioaccumulative: No	
Inherently toxic to aquatic organisms: No	
ENCS: not listed	-
KECI: Korea. Existing Chemicals Inventory (KECI, January 27, 2015, amended through Mol 2015-95, July 1, 2015)	=
Name: Paraffin oils (petroleum), catalytic dewaxed heavy	
Korean ID Number: KE-27774	
PICCS: Philippines. Inventory of Chemicals and Chemical Substances (PICCS) 2012	
CAS RN: 64742-70-7 Name: Paraffin oils (petroleum), catalytic dewaxed heavy	
Name. Paramin ons (perforeum), catalytic dewaxed neavy	
TSCA: U.S. Federal, TSCA	
TSCA IUR 2006, Partially Exempt Petroleum Process Streams (40 CFR 710.46(b)(1)) TSCA CDR, Partially Exempt Petroleum Process Streams (40 CFR 711.6(b)(1)) (Septembe	r 6.
2011)	- 1
CAS RN: 64742-70-7 Name: PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY	
CAS RN: 64742-70-7 may be regulated as a member of the Generics group for CAS RN: 80)12-
95-1	
Generics group name: PARAFFIN OILS TSCA High Production Volume (HPV) Chemicals: 1990, 1994 & Post-1994 Additions (01/20	/06)
CAS RN: 64742-70-7 may be regulated as a member of the Generics group for CAS RN: 80	
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HPV Sponsorship Value (see notes): F Notes: 0 Chemical is a candidate for sponsorship under the HPV Challenge Program. F Fully Sponsored Chemical. 15.1.2. **National regulations** Germany : Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, VwVwS Annex reference Annex 4) 12th Ordinance Implementing the Federal : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance) Immission Control Act - 12.BlmSchV Netherlands : -Distillates (petroleum), hydrotreated heavy paraffinic, Phenol, dodecyl-, SZW-lijst van kankerverwekkende stoffen branched, Phosphorodithioic acid, mixed O, O-bis(1, 3-dimethylbutyl and isopropyl) esters, zinc salts,Calcium petroleum sulfonate are listed SZW-lijst van mutagene stoffen -Distillates (petroleum), hydrotreated heavy paraffinic, Phenol, dodecyl-, branched, Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and isopropyl) esters, zinc salts are listed NIET-limitatieve lijst van voor de voortplanting : None of the components are listed giftige stoffen - Borstvoeding NIET-limitatieve lijst van voor de voortplanting : None of the components are listed giftige stoffen - Vruchtbaarheid NIET-limitatieve lijst van voor de voortplanting : None of the components are listed giftige stoffen - Ontwikkeling Denmark **Classification remarks** : Emergency management guidelines for the storage of flammable liquids must be followed

15.2. Chemical safety assessment

A chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

Other information

: It is the user's responsibility to take the mentioned precautionary measures and to ensure that this information is complete and sufficient for the use of this product. Such information is actually to be best of our knowledge and believes accurate as reliable.

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H361	Suspected of damaging fertility or the unborn child
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
EUH208	Contains . May produce an allergic reaction

SDS EU (REACH Annex II)

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