### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 7/05/2010 Revision date: 16/06/2017 Supersedes: 1/04/2016 Version: 5.0

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

## 1.1. Product identifier

Product form : Mixture

Product name : WOLF OFFICIALTECH ATF D VI

Product code : 3008
Product group : Blend

#### 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 : Non-dispersive use Used in closed systems

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

WOLF OIL CORPORATION N.V. Georges Gilliotstraat, 52 2620 Hemiksem - België

T 0032 (0)3 870 00 00 - F 0032 (0)3 870 00 99

info@wolfoil.com

#### 1.4. Emergency telephone number

Emergency number : +32 14 58 45 45 (NL/EN/FR/DE)

#### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

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

Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Full text of H statements : see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

Signal word (CLP) : -

Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP) : P273 - Avoid release to the environment

P501 - Dispose of contents/container in accordance with local/regional/national/international

regulations

P102 - Keep out of reach of children

EUH-statements : EUH208 - Contains 4,4'-thiodiethylene hydrogen -2-octodecenylsuccinate. May produce an

allergic reaction

#### 2.3. Other hazards

No additional information available

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

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	(CAS No) 72623-87-1 (EC no) 276-738-4 (EC index no) 649-483-00-5 (REACH-no) 01-2119474889-13	35 - 50	Asp. Tox. 1, H304
Bis(nonylphenyl)amine	(CAS No) 36878-20-3 (EC no) 253-249-4 (REACH-no) 01-2119488911-28	1 - 2,49	Aquatic Chronic 4, H413
Reaction mass of isomers of C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate	(CAS No) 125643-61-0 (EC no) 406-040-9 (EC index no) 607-530-00-7 (REACH-no) 01-0000015551-76	1 - 2,49	Aquatic Chronic 4, H413
Baseoil - unspecified	(CAS No) 72623-86-0 (EC no) 276-737-9 (EC index no) 649-482-00-X (REACH-no) 01-2119474878-16	1 - 2,49	Asp. Tox. 1, H304
Isooctadecanoic acid, reaction products with tetraethylenepentamine	(EC no) 272-225-4 (REACH-no) 01-2119960832-33	0,1 - 0,49	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Thiophene, tetrahydro-, 1, 1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich	(CAS No) 398141-87-2 (EC no) 800-172-4 (REACH-no) 01-2119969520-35	0,1 - 0,49	Aquatic Chronic 2, H411
Reaction product of alkylthioalcohol and substituted phosphorus compound	(EC no) 424-820-7 (REACH-no) 01-0000017126-75	0,1 - 0,24	Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
4,4'-thiodiethylene hydrogen -2-octodecenylsuccinate	(EC no) 299-434-3	0,1 - 0,24	Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411

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 : Not expected to require first aid measures. First-aid measures after skin contact : Wash skin with mild soap and water.

First-aid measures after eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes. First-aid measures after ingestion : Do not induce vomiting. Rinse mouth. Get immediate medical advice/attention.

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

Symptoms/injuries after inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal

use.

Symptoms/injuries after skin contact : Not expected to present a significant skin hazard under anticipated conditions of normal use.

Symptoms/injuries after eye contact : Not expected to present a significant eye contact hazard under anticipated conditions of normal

use.

Symptoms/injuries after ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal

use.

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

No additional information available

# **SECTION 5: Firefighting measures**

# 5.1. Extinguishing media

Suitable extinguishing media : Water fog. Foam. Powder. Dry chemical product.

Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

No additional information available

#### 5.3. Advice for firefighters

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

Protection during firefighting : 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 : Wear suitable protective clothing and gloves.

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#### 6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing and gloves.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

For containment : Impound and recover large spill by mixing it with inert granular solids.

Methods for cleaning up : Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.

Other information : Spill area may be slippery. Use suitable disposal containers.

#### 6.4. Reference to other sections

No additional information available

#### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually

required.

Handling temperature : < 40 °C

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or

smoking and when leaving work.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage temperature : < 40 °C

Storage area : Store in dry, cool, well-ventilated area.

#### 7.3. Specific end use(s)

No additional information available

#### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Additional information : 5 mg/m3 for oil mists (TWA, 8h-workday) recommended, based upon the ACGIH TLV (Analysis

according to US NIOSH Method 5026, NIOSH Manual of Analytical Methods, 3rd Edition).

#### 8.2. Exposure controls

#### Personal protective equipment:

Safety glasses. Gloves.

#### Hand protection:

Permeation time: minimum >480min long term exposure; material / thickness [mm]: >0,35 mm. Nitrile rubber (NBR) /

#### Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use

### Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.





## **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Oily liquid.
Colour : red.

Odour Characteristic.

Odour threshold : No data available pH : No data available Relative evaporation rate (butylacetate=1) : No data available Melting point : No data available Freezing point : No data available

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: No data available Boiling point : > 200 °C @ ASTM D92 Flash point No data available Auto-ignition temperature Decomposition temperature : No data available Flammability (solid, gas) : No data available : No data available Vapour pressure Relative vapour density at 20 °C : No data available : No data available Relative density : 847 kg/m3 @15°C Density

Solubility : Slightly soluble, the product remains on the water surface.

Log Pow : No data available
Viscosity, kinematic : 30 mm²/s @ 40°C
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

#### 9.2. Other information

No additional information available

#### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

None under normal conditions.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

None under normal conditions.

# 10.4. Conditions to avoid

No data available.

#### 10.5. Incompatible materials

Strong oxidizers. acids. Bases.

## 10.6. Hazardous decomposition products

None under normal conditions.

## **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Bis(nonylphenyl)amine (36878-20-3)	
LD50 oral rat	> 5000 mg/kg OECD 401
LD50 dermal rat	> 2000 mg/kg OECD 402

Reaction mass of isomers of C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate (125643-61-0)	
LD50 oral rat	> 2000 mg/kg OECD 401
LD50 dermal rat	> 2000 mg/kg OECD 402

Reaction product of alkylthioalcohol and substituted phosphorus compound	
LD50 oral	> 2000 mg/kg 67/548/EEG Annex V,B1
LD50 dermal	> 500 mg/kg 67/548/EEG AnnexV, B3

# 4,4'-thiodiethylene hydrogen -2-octodecenylsuccinate

LD50 oral > 10000 mg/kg

Isooctadecanoic acid, reaction products with tetraethylenepentamine	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 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 : Not classified Specific target organ toxicity (single exposure) : Not classified

	Isooctadecanoic acid,	reaction	products with	tetraethyl	enepentamine
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NOAEL (oral, rat) > 1000 mg/kg bodyweight OECD 421

Specific target organ toxicity (repeated : Not classified

exposure)

Aspiration hazard : Not classified

WOLF OFFICIALTECH ATF D VI	
Viscosity, kinematic	30 mm²/s @ 40°C

# **SECTION 12: Ecological information**

#### 12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

Bis(nonylphenyl)amine (36878-20-3)	
LC50 fish 1	> 100 mg/l OECD 203 (Danio rerio @96h)
EC50 Daphnia 1	> 100 mg/l OECD 202 (Daphnia magna)
EC50 72h algae (1)	> 100 mg/l OECD 201 (Desmodesdus subspicatus)

Reaction mass of isomers of C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate (125643-61-0)		
LC50 fish 1	> 74 mg/l OECD 203, (Danio rerio, 96h)	
EC50 Daphnia 1	> 100 mg/l OECD 202, (Daphnia magna, 24h)	
EC50 other aquatic organisms 1	0 mg/l	
FC50 72h algae (1)	> 3 mg/l OECD 201. (Desmodesmus subspicatus, 72h)	

Reaction product of alkylthioalcohol and substituted phosphorus compound	
LC50 fish 1	1,5 mg/l OECD203 - Oncorhynchus mykiss
EC50 Daphnia 1	0,09 mg/l OECD 202 - EL50
EC50 72h algae (1)	0,31 mg/l 67/548/EEG Annex V,C3
NOEC (chronic)	0,14 (0,01 - 0,1) mg/l Daphnia

4,4'-thiodiethylene hydrogen -2-octodecenylsuccinate		
LC50 fish 1	> 1000 mg/l 96h Cyprinodon variegatus - OECD 203	
LC50 fish 2	> 100 mg/l 96h Oryzias latipes - OECD 203	
EC50 Daphnia 1	9,5 mg/l OECD 202	
EC50 other aquatic organisms 1	> mg/l	
EC50 72h algae (1)	> 100 mg/l Pseudokirchneriella subscapitata - OECD 201	

Isooctadecanoic acid, reaction products with tetraethylenepentamine		
LC50 fish 1	> 1000 mg/l OECD 203	
EC50 Daphnia 1	> 1000 mg/l OECD 202	

### 12.2. Persistence and degradability

Persistence and degradability

Isooctadecanoic acid, reaction products with tetraethylenepentamine

WOLF OFFICIALTECH ATF D VI		
Persistence and degradability	Not soluble in water, so only minimally biodegradable.	
Bis(nonylphenyl)amine (36878-20-3)		
Persistence and degradability	Not readily biodegradable.	
Biodegradation	1 % @28d	
Reaction mass of isomers of C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate (125643-61-0)		
Persistence and degradability	The product is not biodegradable.	
Reaction product of alkylthioalcohol and substituted phosphorus compound		
Persistence and degradability	Not readily biodegradable.	
Biodegradation	52,9 % @60d - OECD 301B - 10mg/l	
4,4'-thiodiethylene hydrogen -2-octodecenylsuccinate		
Persistence and degradability	Not readily biodegradable.	
Biodegradation	11 - 14 % OECD 301	

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Readily biodegradable.

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coording to Regulation (EC) No. 1907/2000 (REACH) with	its afficient regulation (EO) 2013/030	
Thiophene, tetrahydro-, 1, 1-dioxide, 3-(C9-11	-isoalkyloxy) derivs., C10-rich (398141-87-2)	
Persistence and degradability	Not readily biodegradable.	
12.3. Bioaccumulative potential		
Bis(nonylphenyl)amine (36878-20-3)		
Log Pow	> 7,6	
Bioaccumulative potential	Potential to bioaccumulate.	
Reaction mass of isomers of C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate (125643-61-0)		
BCF fish 1	260 OECD 305 (Oncorhynchus mykiss, 35d)	
Log Pow	9,2	
Reaction product of alkylthioalcohol and sub-	stituted phosphorus compound	
Bioaccumulative potential	Potential to bioaccumulate.	
4,4'-thiodiethylene hydrogen -2-octodecenyls	uccinate	
Bioaccumulative potential	Potential to bioaccumulate.	
Thiophene, tetrahydro-, 1, 1-dioxide, 3-(C9-11-	-isoalkyloxy) derivs., C10-rich (398141-87-2)	
Bioaccumulative potential	Potential to bioaccumulate.	
12.4. Mobility in soil		
Bis(nonylphenyl)amine (36878-20-3)		
Ecology - soil	Adsorbs into the soil.	
	-di-trans-butyl-4-hydroxyphenyl)propionate (125643-61-0)	
Ecology - soil	Adsorbs into the soil.	
Reaction product of alkylthioalcohol and sub-		
Ecology - soil	Adsorbs into the soil.	
<u>.                                    </u>	Adsorbs into the soil.	
Baseoil - unspecified (72623-86-0)  Ecology - soil	Adsorbs into the soil.	
0,		
4,4'-thiodiethylene hydrogen -2-octodecenyls		
Ecology - soil	Adsorbs into the soil.	
Thiophene, tetrahydro-, 1, 1-dioxide, 3-(C9-11	Adsorbs into the soil.	
Ecology - soil		
12.5. Results of PBT and vPvB assessment		
No additional information available		
12.6. Other adverse effects		
No additional information available		
<b>SECTION 13: Disposal considerations</b>		
13.1. Waste treatment methods		
Additional information	: Dispose in a safe manner in accordance with local/national regulations.	
CECTION 44. Transport information		
SECTION 14: Transport information		
In accordance with ADR / RID / IMDG / IATA / ADI	N .	
14.1. UN number		
	: Not applicable	
	: Not applicable : Not applicable	
UN-No. (ADR)	• •	
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA)	: Not applicable	
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN)	: Not applicable : Not applicable	
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID)	<ul><li>Not applicable</li><li>Not applicable</li><li>Not applicable</li></ul>	
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID)  14.2. UN proper shipping name	<ul><li>Not applicable</li><li>Not applicable</li><li>Not applicable</li></ul>	
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID)  14.2. UN proper shipping name	<ul> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> </ul>	
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID)  14.2. UN proper shipping name Proper Shipping Name (ADR)	<ul> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> </ul> Not applicable Not applicable	
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID)  14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG)	<ul> <li>Not applicable</li> </ul>	
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID)  14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN)	<ul> <li>Not applicable</li> </ul>	
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID)  14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN)	<ul> <li>Not applicable</li> </ul>	
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID)  14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID)	<ul> <li>Not applicable</li> </ul>	
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID)  14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID)  14.3. Transport hazard class(es) ADR	<ul> <li>Not applicable</li> </ul>	

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**IMDG** 

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

**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

**Environmental hazards** 

Dangerous for the environment : No Marine pollutant : No

Other information : No supplementary information available

#### Special precautions for user 14.6.

#### - 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

#### Transport in bulk according to Annex II of MARPOL and the IBC Code 14.7.

Not applicable

#### SECTION 15: Regulatory information

### 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

#### 15.1.2. **National regulations**

#### Germany

VwVwS Annex reference : Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex

12th Ordinance Implementing the Federal

Immission Control Act - 12.BImSchV

: Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : Isooctadecanoic acid, reaction products with tetraethylenepentamine is listed

SZW-lijst van mutagene stoffen : Isooctadecanoic acid, reaction products with tetraethylenepentamine is listed

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NIET-limitatieve lijst van voor de voortplanting

giftige stoffen - Borstvoeding

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen – Vruchtbaarheid

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling

: None of the components are listed

: None of the components are listed

: None of the components are listed

#### Denmark

Recommendations Danish Regulation

: Pregnant/breastfeeding women working with the product must not be in direct contact with the product

#### 15.2. Chemical safety assessment

No additional information available

#### **SECTION 16: Other information**

Other information

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

#### Full text of H- and EUH-statements:

Tall text erri and zerr etaterne	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), 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
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
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
H412	Harmful to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life
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

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