# MAXOL Lubricants

# Specialsynth B12 0W30

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 22-5-2018 Revision date: 8-6-2018 Supersedes: 22-5-2018 Version: 2.0

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

1.1. Product identifier

Product form : Mixture

Trade name : Specialsynth B12 0W30

Product code : ST-A.06.99

Type of product : Use in lubricants

Product group : Trade product

#### 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

Use of the substance/mixture : Engine oil

1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Maxol Lubricants,

Unit D, Airport Business Campus,

Santry, Dublin 9

Ireland

Tel: 01 8060300

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre	National Poisons Information Centre Beaumont Hospital, PO Box 1297 Beaumont Road Dublin 9	(24 hour) 01 837 9964 or 01 809 2566.	

#### **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 (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 : EUH208 - Contains C14-16-18 Alkyl phenol. May produce an allergic reaction.

EUH210 - Safety data sheet available on request.

#### 2.3. Other hazards

No additional information available

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

#### 3.1. Substances

Not applicable

## 3.2. Mixtures

Comments : Highly refined mineral oils and additives.

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	50 - 80	Asp. Tox. 1, H304
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	1 - 2,5	Asp. Tox. 1, H304

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Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	(CAS-No.) 72623-86-0 (EC-No.) 276-737-9 (EC Index-No.) 649-482-00-X (REACH-no) 01-2119474878-16	1 - 2,5	Asp. Tox. 1, H304
C14-16-18 Alkyl phenol	(EC-No.) 931-468-2 (REACH-no) 01-2119498288-19	0,1 - 2,5	Skin Sens. 1B, H317 Aquatic Chronic 4, H413
bis(nonylphenyl)amine	(CAS-No.) 36878-20-3 (EC-No.) 253-249-4 (REACH-no) 01-2119488911-28	0,1 - 2,5	Aquatic Chronic 4, H413
zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	(CAS-No.) 93819-94-4 (EC-No.) 298-577-9 (REACH-no) 01-2119543726-33	0,1 - 2,5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411

Comments : The highly refined mineral oil contains <3% (w/w) DMSOextract, according to IP346.

Full text of H-statements: see section 16

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

#### 4.1. Description of first aid measures

First-aid measures general : 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.

First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell. Do not induce vomiting.

#### 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.

Symptoms/effects after ingestion : May result in aspiration into the lungs, causing chemical pneumonia.

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

Treat symptomatically.

## **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

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

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

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

Fire hazard : Combustible liquid.

Hazardous decomposition products in case of fire : Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other

toxic gases.

#### 5.3. Advice for firefighters

Protection during firefighting : 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.

### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Take up liquid spill into absorbent material.

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

#### 6.4. Reference to other sections

For further information refer to section 13.

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

#### 7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour.

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

smoking and when leaving work.







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

Storage conditions Keep container closed when not in use. Keep in a cool, well-ventilated place away from

heat.

: 0 - 40 °C Storage temperature

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

No additional information available

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

#### 8.1. Control parameters

#### Tor Specialsynth B12 0W30

EU

Exposure limits/standards for materials that can be formed when handling this product. When mists/aerosols can

occur the following is recommended: 5 mg/m3 - ACGIH TLV (inhalable fraction).

#### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Materials for protective clothing:

Wear suitable protective clothing

#### Hand protection:

Protective gloves

Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Nitrile rubber (NBR), Neoprene rubber (HNBR), Polyvinylchloride (PVC)	4 (> 120 minutes), 5 (> 240 minutes), 6 (> 480 minutes)	>=0,35	3 (> 0.65)	EN 374

#### Eye protection:

Safety glasses

Туре	Use	Characteristics	Standard
Safety glasses	Droplet	clear	EN 166

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### Personal protective equipment symbol(s):





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

Avoid release to the environment

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

9.1. Information on basic physical and chemical properties

Physical state : Liquid Colour · brown Odour : characteristic. Odour threshold : No data available No data available pН Relative evaporation rate (butylacetate=1) : No data available Melting point : Not applicable

: -45 °C - ASTM D5950 (pour point) Freezing point

Boiling point : No data available

Flash point : 222 °C - ASTM D92 (COC)



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Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : Not applicable
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : No data available

Density : 0,841 kg/l (15 °C) - ASTM D4052 Solubility : Water : Practically not miscible.

Log Pow : No data available

Viscosity, kinematic : 54,6 mm²/s (40 °C) - ASTM D7279

Viscosity, dynamic : No data available

Explosive properties : Presents no particular fire or explosion hazard.

Oxidising properties : No data available Explosive limits : No data available

9.2. Other information

VOC content : 0 %

### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

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

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Reacts violently with (strong) oxidizers.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

No decomposition if stored normally.

### **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

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

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
LD50 oral rat	> 5000 mg/kg (OECD 420 method)	
LD50 dermal rabbit	> 2000 mg/kg (OECD 402 method)	
LC50 inhalation rat (mg/l)	> 5,53 mg/l/4h (mg/L air, aerosol) (OECD 403 method)	

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)	
LD50 oral rat	> 5000 mg/kg (OECD 401 method)
LD50 dermal rabbit	> 2000 mg/kg (OECD 402 method)
LC50 inhalation rat (mg/l)	2,18 mg/l/4h (OECD 403 method)

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)	
LD50 oral rat	> 5000 mg/kg (OECD 401 method)
LD50 dermal rabbit	> 2000 mg/kg (OECD 402 method)
LC50 inhalation rat (mg/l)	> 5,53 mg/l (OECD 403 method)

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



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cinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate) (93819-94-4)		
LD50 oral	2600 mg/kg	
LD50 dermal	> 3160 mg/kg [OECD 402]	
Skin corrosion/irritation	Not classified	
Serious eye damage/irritation	Not classified	
Respiratory or skin sensitisation	Not classified	
Germ cell mutagenicity	Not classified	
Carcinogenicity	Not classified	
Reproductive toxicity	Not classified	
STOT-single exposure	Not classified	
STOT-repeated exposure	Not classified	
Aspiration hazard	Not classified	
Tor Specialsynth B12 0W30		
Viscosity, kinematic	54,6 mm²/s (40 °C) - ASTM D7279	

# **SECTION 12: Ecological information**

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

adverse effects in the environment.

Acute aquatic toxicity : Not classified Chronic aquatic toxicity : Not classified

stillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
LC50 fish 1	> 100 mg/l (Pimephales promelas, 96h) (OECD 203 method)	
EC50 Daphnia 1	> 10000 mg/l (Gammarus pulex, 48h) (OECD 202 method)	
EC50 Daphnia 2	> 10000 mg/l (Daphnia magna, 48h) (OECD 202 method)	
NOEC (acute)	>= 100 mg/l (Pseudokirchnerella subcapitata, 72h) (OECD 201 method)	
NOEC chronic fish	>= 1000 mg/l (Oncorhynchus mykiss - QSAR Petrotox, 14/28d)	
NOEC chronic crustacea	10 mg/l (Daphnia magna, 21d) (OECD 211 method)	

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)			
LC50 fish 1 > 100 mg/l (Pimephales promelas, 96h) (OECD 203 method)			
LC50 other aquatic organisms 1	> 10000 mg/l (Gammarus pulex, 48h) (OECD 202 method)		
NOEC (acute)	>= 100 mg/l (Pseudokirchnerella subcapitata, 72h) (OECD 201 method)		

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)			
LC50 fish 1 > 100 mg/l (Pimephales promelas, 96h) (OECD 203 method)			
LC50 other aquatic organisms 1	> 10000 mg/l (Gammarus pulex, 48h) (OECD 202 method)		
NOEC (acute)	>= 100 mg/l (Pseudokirchnerella subcapitata, 72h) (OECD 211 method)		
NOEC chronic crustacea	10 mg/l (Daphnia magna, 21d) (OECD 211 method)		

bis(nonylphenyl)amine (36878-20-3)	
LC50 fish 1 > 100 mg/l Brachydanio rerio (zebra-fish)	
EC50 Daphnia 1	> 100 mg/l (OECD 202 method)
EC50 72h algae (1)	600 mg/l
EC50 96h algae (1)	870 mg/l

zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate) (93819-94-4)			
LC50 fish 1 4,5 mg/l 96 h (Oncorhynchus mykiss) [OECD 203]			
EC50 Daphnia 1	5,4 mg/l 48 h (Daphnia magna) [OECD 202]		

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ErC50 (algae)	2,1 mg/l 96 h (Selenastrum capricornutum) [OECD 201]			
12.2. Persistence and degradability				
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)				
Biodegradation	31 % (28d) (OECD 301F method)			

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)		
Biodegradation	31 % (28d) (OECD 301F method)	

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)		
Persistence and degradability	Not readily biodegradable.	
Biodegradation	31 % (28d) (OECD 301F method)	

bis(nonylphenyl)amine (36878-20-3)	
Biodegradation	1 % (test concentration 20,1 mg/l)

zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate) (93819-94-4)			
Persistence and degradability	adability Not readily biodegradable.		
Biodegradation	1,5 % 28 d - 10mg/l [OECD 301 B]		
12.3. Bioaccumulative potential			
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)			
Log Kow	> 6		
Bioaccumulative potential	Bioaccumulative potential.		

zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate) (93819-94-4)		
Log Pow 0,9 (23 °C)		
12.4. Mobility in soil		
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)		
Mobility in soil	Product adsorbs onto the soil	

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)			
Ecology - soil	Insoluble in water.		
12.5. Results of PBT and vPvB assessment			
Component			
zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate) (93819-94-4)	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		
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)	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		
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)	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

Waste treatment methods

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

Product/Packaging disposal recommendations European List of Waste (LoW) code

: Dispose in a safe manner in accordance with local/national regulations. : 13 02 05\* - mineral-based non-chlorinated engine, gear and lubricating oils

**SECTION 14: Transport information** 

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

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ADR	IMDG	IATA	ADN	RID	
14.1. UN number	14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.2. UN proper shippin	g name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
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 hazards					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
No supplementary information available					

#### 14.6. Special precautions for user

#### **Overland transport**

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

#### Rail transport

Not applicable

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

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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:			
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	C14-16-18 Alkyl phenol - bis(nonylphenyl)amine - zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)		
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	C14-16-18 Alkyl phenol - zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate) - Distillates (petroleum), hydrotreated heavy paraffinic - Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based - Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based		
3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	C14-16-18 Alkyl phenol - bis(nonylphenyl)amine - zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)		

Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

VOC content : 0 %

Directive 2012/18/EU (SEVESO III)

#### 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					
Indication of changes:					
Section	Changed it	em	Change	Comments	
	Flammability (solid, gas)		Modified		
	Date of issu	ie	Modified		
1.2	Main use category		Added		
2.1	Adverse physicochemical, human health and environmental effects		Added		
4.1	First-aid measures after ingestion		Modified		
4.1	First-aid measures general		Added		
4.1	First-aid measures after eye contact		Modified		
4.1	First-aid measures after inhalation		Modified		
4.1	First-aid measures after skin contact		Modified		
4.2	Symptoms/effects after ingestion		Added		
4.2	Symptoms/effects		Added		
5.1	Unsuitable	extinguishing media	Added		
5.1	Suitable ex	tinguishing media	Modified		
5.2	Hazardous decomposition products in case of fire		Added		
5.2	Fire hazard		Added		
5.3	Protection of	during firefighting	Modified		
6.1	Protective 6	equipment	Modified		
6.1	Emergency procedures		Modified		
6.2	Environmental precautions		Modified		
6.3	Other information		Added		
6.3	Methods for cleaning up		Modified		
6.4	Reference to other sections (8, 13)		Modified		
8.1	Generic OEL data		Added		
8.2	Respiratory protection		Modified		
8.2	Skin and body protection		Added		
8.2	Appropriate engineering controls		Added		
8.2	Hand protection		Modified		
8.2	Eye protection		Modified		
9.1	Melting point		Added		
10.1	Reactivity		Added		
10.2	Chemical stability		Modified		
10.3	Possibility of hazardous reactions		Modified		
10.4	Conditions to avoid		Modified		
12.1	Ecology - general		Added		
13.1	Waste treatment methods		Modified		
16	Abbreviations and acronyms		Added		
Abbreviations and acronyms:					
ADN				e of Dangerous Goods by Inland Waterways	
ADR		European Agreement o	concerning the International Carriage	e of Dangerous Goods by Road	



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ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
vPvB	Very Persistent and Very Bioaccumulative

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	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1B	Skin sensitisation, category 1B	
H304	May be fatal if swallowed and enters airways.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H411	Toxic to aquatic life with long lasting effects.	
H413	May cause long lasting harmful effects to aquatic life.	
EUH208	Contains C14-16-18 Alkyl phenol. May produce an allergic reaction.	
EUH210	Safety data sheet available on request.	

## 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