## WAECO DAPHNE HERMETIC OIL 1234YF

## SAFETY DATA SHEET

according to Regulation (EU) 2015/830



ISSUE DATE: 03.04.2017

VERSION: 1.0

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

1.1.	Product identifier	
	Trade name	Waeco Daphne Hermetic Oil 1234yf
	Product code	No data available.
	SDS Number	217
	Product use	Professional use

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

Relevant identified uses	Compressor oil for air conditioning systems
Uses advised against	No additional information available.

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

Supplier	Distributor
DOMETIC WAECO INTERNATIONAL	SOUTH AFRICA
GMBH	DOMETIC (PTY) LTD.
Hollefeldstraße 63	Dometic (Pty) Ltd.
D-48282 Emsdetten	Regional Office South Africa &
Tel +49 (0) 2572 879-0	Sub-Saharan Africa
Fax +49 (0) 2572 879-300	2 Avalon Road, West Lake View
Mail info@dometic-waeco.de	Ext 11, Modderfontein 1645
	Tel +27 87 3530380
	Mail info@dometic.co.za

### 1.4. Emergency telephone number

+49 (172) 3180-285 (Mo- Fr. 08:00 - 18:00 CET)

### 2. SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

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

Health hazards	Skin sensitisation, Category 1	H317	May cause an allergic skin reaction.
Environmental hazards	Hazardous to the aquatic environment — Acute Hazard, Category 1	H400	Very toxic to aquatic life.
	Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411	Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008

Hazard pictograms



Signal word Contains Warning Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-methyl-.omega.-methoxy-

Hazard statements
Product code:

H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
Precautionary statements	
Prevention	
P273	Avoid release to the environment
P280	Wear protective gloves.
Response	
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P391	Collect spillage.
Supplemental hazard information	
EUH205	Contains epoxy constituents. May produce an allergic reaction

## 2.3. Other hazards

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.

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

## 3.2. Mixtures

Chemical name	CAS- No EC- No Index No RRN	%	Classification according to Regulation (EC) No. 1272/2008	Notes
Poly[oxy(methyl-1,2- ethanediyl)], .alpha methylomegamethoxy-	24991-61-5	50 - < 100	Skin Sens. 1, H317	
Decyloxirane	2855-19-8 220-667-3 01-2119943390-42- xxxx	1-<2	Skin Irrit. 2, H315 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410	
Dodecyloxirane	3234-28-4 221-781-6 01-2119943387-29- XXXX	1-<2	Skin Irrit. 2, H315 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=10)	
Tris(methylphenyl) phosphate	1330-78-5 215-548-8	0.1 - < 1	Repr. 2, H361 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
2,6-di-tert-butyl-p-cresol	128-37-0 204-881-4	0.1 - < 1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	

Full text of H-statements: see section 16

## 4. SECTION 4: First aid measures

## 4.1. Description of first aid measures

General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
Inhalation	Remove person to fresh air and keep comfortable for breathing.
Skin contact	Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.

	Eyes contact	Rinse immediately with plenty of water. If eye irritation persists: Get medical advice/attention. Remove contact lenses, if present and easy to do. Continue rinsing.
	Ingestion	Do NOT induce vomiting. Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
4.2.	Most important symptoms and effects	, both acute and delayed
	Symptoms/effects after skin contact	May cause an allergic skin reaction.
4.3.	Indication of any immediate medical a	ttention and special treatment needed
	Treat symptomatically.	
5.	SECTION 5: Fire-fighting measures	6
5.1.	Extinguishing media	
	Suitable extinguishing media	Water spray. Dry powder. Carbon dioxide. Foam.
	Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2.	Special hazards arising from the subs	tance or mixture
	Hazardous combustion products	During fire, gases hazardous to health may be formed. Carbon oxides (CO, CO2).
5.3.	Advice for firefighters	
	Firefighting instructions	Move containers from fire area if it can be done without personal risk.
	Protection during firefighting	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
6.	SECTION 6: Accidental release me	asures
6. 6.1.	SECTION 6: Accidental release me Personal precautions, protective equi	
	Personal precautions, protective equi	
	Personal precautions, protective equi For non-emergency personnel	pment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Local authorities should be advised if significant spillages cannot be contained.
	Personal precautions, protective equi For non-emergency personnel Emergency procedures	pment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Local authorities should be advised if significant spillages cannot be contained.
	Personal precautions, protective equi For non-emergency personnel Emergency procedures For emergency responders	pment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.
	Personal precautions, protective equi For non-emergency personnel Emergency procedures For emergency responders Protective equipment	pment and emergency procedures         Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.         Wear recommended personal protective equipment.         Keep unnecessary personnel away. For personal protection, see section 8 of the
6.1.	Personal precautions, protective equi For non-emergency personnel Emergency procedures For emergency responders Protective equipment Emergency procedures	pment and emergency procedures         Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.         Wear recommended personal protective equipment.         Keep unnecessary personnel away. For personal protection, see section 8 of the MSDS.         Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Avoid discharge into drains, water courses or onto the ground.
6.1.	Personal precautions, protective equip For non-emergency personnel Emergency procedures For emergency responders Protective equipment Emergency procedures Environmental precautions	pment and emergency procedures         Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.         Wear recommended personal protective equipment.         Keep unnecessary personnel away. For personal protection, see section 8 of the MSDS.         Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Avoid discharge into drains, water courses or onto the ground.

6.4.	Reference to other sections	For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13 : Disposal considerations" ".
7.	SECTION 7: Handling and storage	
7.1.	Precautions for safe handling	
	Precautions for safe handling	Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing mist, vapours. Wear personal protective equipment. Protect material from direct sunlight. Observe good industrial hygiene practices.
	Hygiene measures	Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2.	Conditions for safe storage, including	any incompatibilities
	Storage conditions	Protect from sunlight. Use care in handling/storage. Keep container tightly closed.
7.3.	Specific end use(s)	Compressor oil for air conditioning systems.

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

## 8.1. Control parameters

Contains no substances with occupational exposure limits.

### DNEL: Derived no effect level

Components	Туре	Route	Value	Form
Decyloxirane (2855-19-8)	Worker	Dermal	10.4 mg/kg bodyweight/day	Long-term - systemic effects
, ,		Inhalation	36.7 mg/m <sup>3</sup>	Long-term - systemic effects
	Consumer	Oral	6.25 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	10.9 mg/m <sup>3</sup>	Long-term - systemic effects
Dodecyloxirane (3234-28-4)	Worker	Dermal	10.4 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	36.7 mg/m <sup>3</sup>	Long-term - systemic effects
	Consumer	Oral	6.25 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	10.9 mg/m <sup>3</sup>	Long-term - systemic effects
		Dermal	6.25 mg/kg bodyweight/day	Long-term - systemic effects
PNEC: Predicted no effect of	concentration			
Components	Туре	Route	Value	Form
Decyloxirane (2855-19-8)	Not applicable.	Freshwater	0.0056 µg/L	
		Seawater	0.006 µg/L	
Dodecyloxirane (3234-28-4)	Not applicable.	Freshwater	0.0056 µg/L	
		Seawater	0.006 µg/L	
		STP	2.61 mg/l	
Exposure controls				
Appropriate engineering co Materials for protective clot		Ventilation rai enclosures, lo airborne level been establis	I ventilation (typically 10 air change tes should be matched to condition ocal exhaust ventilation, or other en s below recommended exposure lin hed, maintain airborne levels to an e protective clothing	s. If applicable, use process gineering controls to maintain mits. If exposure limits have not
•	•			
Individual protection measu	nes, such as pe	•		
Eye protection		Satety glasse	s with side shields	

8.2.

Skin protection Hand protection Nitrile gloves are		Nitrile gloves are rec	recommended	
Material	Permeation	Thickness (mm)	Comments	
Nitrile rubber (N	IBR)	> 0.3 mm	EN 374	
Other prote	ective measures	handling the materia	d personal hygiene measures, such as washing after I and before eating, drinking, and/or smoking. Routinely and protective equipment to remove contaminants.	
		Not normally needed equipment	l. In case of insufficient ventilation, wear suitable respiratory	
Thermal hazard protection		Wear appropriate thermal protective clothing, when necessary.		
Environmental exposure controls Inform appropriate managerial or supervisory personnel of all enviror releases.		nanagerial or supervisory personnel of all environmental		

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

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

Physical state	Liquid
Appearance	Clear.
Colour	Colourless.
Odour	Slight.
Odour threshold	No data available.
рН	No data available.
Relative evaporation rate (butylacetate=1)	No data available.
Melting point	Not applicable.
Freezing point	No data available.
Boiling point	No data available.
Flash point	170 °C
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	0.9882 g/cm <sup>3</sup>
Solubility	Insoluble.
Log Pow	No data available.
Viscosity, kinematic	42.66 mm²/s @40°C 9.512 mm²/s @100°C
Viscosity, dynamic	No data available.
Explosive properties	No data available.
Oxidising properties	No data available.
Explosive limits	No data available.
Other information	
Pour point	- 47.5 °C

The product is non-reactive under normal conditions of use, storage and transport. 10.1. Reactivity 10.2. Chemical stability Stable under normal conditions.

9.2.

10.

10.3.	Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use.
10.4.	Conditions to avoid	Heat. Sparks. Open flame.
10.5.	Incompatible materials	Strong oxidizing agents. Strong bases.
10.6.	Hazardous decomposition products	Irritating and/or toxic fumes and gases may be emitted upon the products decomposition.

## 11. SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	May cause an allergic skin reactionContains epoxy constituents. May produce an allergic reaction
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.

# 12. SECTION 12: Ecological information

## 12.1. Toxicity

Ecology - general		Very toxic to a	quatic life	. Toxic to aquatic life	e with long la	sting effects.
Acute aquatic toxicity						
Substance / Product	Trophic level	Species	Туре	Value	Duration	Remarks
2,6-di-tert-butyl-p-cresol (128-37-0)	crustacea	Daphnia magna	EC50	0.48 mg/l	48 hours	
2,6-di-tert-butyl-p-cresol (128-37-0)	Fish	Danio rerio	LC0	> 0.5 mg/l	96 hours	
Decyloxirane (2855-19- 8)	algae	Pseudokirchner ella subcapitata	EC50	0.056 mg/l	72 hours	(OECD 201 method
Decyloxirane (2855-19- 8)	crustacea	Daphnia magna	EC50	0.171 mg/l	48 hours	(OECD 202 method
Dodecyloxirane (3234- 28-4)	algae	Pseudokirchner ella subcapitata	EC50	0.002 mg/l	72 hours	(OECD 201 method
Tris(methylphenyl) phosphate (1330-78-5)	Fish	Oncorhynchus mykiss (Rainbow trout)	LC50	0.21 - 0.32 mg/l	96 hours	
Chronic aquatic toxicity	y					
Substance / Product	Trophic level	Species	Туре	Value	Duration	Remarks
Dodecyloxirane (3234- 28-4)	algae	Pseudokirchner ella subcapitata	NOEC	0.002 mg/l	72 hours	
Persistence and deg	radability					
Decyloxirane (2855-19-	8)					
Biodegradation		60 - 70 % 28 c	d (OECD 3	301 B)		
Dodecyloxirane (3234-2	28-4)					
Biodegradation		>= 60 - 70 % (	OECD 30	1 B)		

12.2.

## 12.3. Bioaccumulative potential

	Decyloxirane (2855-19-8)	
	Log Pow	5.9 @ 25 °C
	Dodecyloxirane (3234-28-4)	
	Log Kow	5.77 @ 25 °C
	Tris(methylphenyl) phosphate (1330-78-5)	
	Log Kow	5.11
12.4.	Mobility in soil	
	No additional information available.	
12.5.	Results of PBT and vPvB assessment	
	Waeco Daphne Hermetic Oil 1234yf	
	This substance/mixture does not meet the PBT	Criteria of REACH regulation, annex XIII.
	This substance/mixture does not meet the vPv	B criteria of REACH regulation, annex XIII.
12.6.	Other adverse effects	
	No additional information available.	
13.	SECTION 13: Disposal consideratio	ns
13.1.	Waste treatment methods	
	Regional legislation (waste)	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions) . Dispose of in accordance with local regulations.
	Waste treatment methods	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with licensed collector's sorting instructions.
	Product/Packaging disposal recommendations	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
	Additional information	Dispose in accordance with all applicable regulations.
	European List of Waste (LoW) code	
	13 02 08*	other engine, gear and lubricating oils
	15 01 10*	packaging containing residues of or contaminated by dangerous substances
14.	SECTION 14: Transport information	I
	In accordance with ADR / RID / IMDG / IATA /	ADN
14.1.	UN number	
	UN-No. (ADR)	3082
	UN-No. (IMDG)	3082
	UN-No. (IATA)	3082
	UN-No. (ADN)	3082
	UN-No. (RID)	3082
14.2.	UN proper shipping name	
	Proper Shipping Name (ADR)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Decyloxirane, Dodecyloxirane)
	Proper Shipping Name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Decyloxirane, Dodecyloxirane)

	Proper Shipping Name (IATA)	Environmentally hazardous substance, liquid, n.o.s. (Decyloxirane, Dodecyloxirane)
	Proper Shipping Name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Decyloxirane, Dodecyloxirane)
	Proper Shipping Name (RID)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Decyloxirane, Dodecyloxirane)
14.3.	Transport hazard class(es)	
	ADR	
	Transport hazard class(es) (ADR)	9
	Danger labels (ADR)	9
	IMDG	
	Transport hazard class(es) (IMDG)	9
	Danger labels (IMDG)	9
	ΙΑΤΑ	
	Transport hazard class(es) (IATA)	9
	Hazard labels (IATA)	9
	ADN	
	Transport hazard class(es) (ADN)	9
	Danger labels (ADN)	9
	RID	
	Transport hazard class(es) (RID)	9
	Danger labels (RID)	9
14.4.	Packing group	
	Packing group (ADR)	111
	Packing group (IMDG)	 III
	Packing group (IATA)	III
	Packing group (ADN)	III
	Packing group (RID)	III
14.5.	Environmental hazards	
	Dangerous for the environment	Yes
	Marine pollutant	Yes
	Other information	No supplementary information available.
14.6.	Special precautions for user	
	Overland transport	
	Classification code (ADR)	M6
	Special provisions (ADR)	274, 335, 601, 375
	Limited quantities (ADR)	51
	Packing instructions (ADR)	P001, IBC03, LP01, R001
	Hazard identification number (Kemler No.)	90
	Tunnel restriction code (ADR)	E
	Transport by sea	
	Special provisions (IMDG)	274, 335, 969
	Limited quantities (IMDG)	5L
	Packing instructions (IMDG)	P001, LP01
	EmS-No. (Fire)	F-A
Product of	code:	EN (English)

EmS-No. (Spillage)	S-F
Stowage category (IMDG)	Α
Air transport	
PCA Excepted quantities (IATA)	E1
PCA Limited quantities (IATA)	Y964
PCA limited quantity max net quantity (IATA)	30kgG
PCA packing instructions (IATA)	964
PCA max net quantity (IATA)	450L
CAO packing instructions (IATA)	964
CAO max net quantity (IATA)	450L
Special provisions (IATA)	A97, A158, A197
ERG code (IATA)	9L
Inland waterway transport	
Classification code (ADN)	M6
Special provisions (ADN)	274, 335, 375, 601
Limited quantities (ADN)	5 L
Carriage permitted (ADN)	Т
Rail transport	
Classification code (RID)	M6
Special provisions (RID)	274, 335, 375, 601
Limited quantities (RID)	5L
Packing instructions (RID)	P001, IBC03, LP01, R001
Hazard identification number (RID)	90

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

Not applicable.

## 15. SECTION 15: Regulatory information

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

### **EU-Regulations**

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances Seveso Information E1

## National regulations

No additional information available.

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## 16. SECTION 16: Other information

Indication of chang	es
None.	
Abbreviations and	acronyms
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

IATA	International Air Transport Association.
IMDG	International Maritime Dangerous Goods.
PBT	Persistent Bioaccumulative Toxic.
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail.
SDS	Safety Data Sheet.
vPvB	Very Persistent and Very Bioaccumulative.
DNEL	Derived-No Effect Level.
PNEC	Predicted No-Effect Concentration.
OEL	Occupational Exposure Limit.
Data sources	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
Training advice	Normal use of this product shall imply use in accordance with the instructions on the packaging.
Full text of H- and EUH-state	ments
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1.
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1.
A substitution Observation O	Hazardaya ta tha aquatia anvironment Chronia Hazard Catagony 2
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2.
Aquatic Chronic 2 Repr. 2	Reproductive toxicity, Category 2.
•	
Repr. 2	Reproductive toxicity, Category 2.
Repr. 2 Skin Irrit. 2	Reproductive toxicity, Category 2. Skin corrosion/irritation, Category 2.
Repr. 2 Skin Irrit. 2 Skin Sens. 1	Reproductive toxicity, Category 2. Skin corrosion/irritation, Category 2. Skin sensitisation, Category 1.
Repr. 2 Skin Irrit. 2 Skin Sens. 1 H315	Reproductive toxicity, Category 2. Skin corrosion/irritation, Category 2. Skin sensitisation, Category 1. Causes skin irritation.
Repr. 2 Skin Irrit. 2 Skin Sens. 1 H315 H317	Reproductive toxicity, Category 2. Skin corrosion/irritation, Category 2. Skin sensitisation, Category 1. Causes skin irritation. May cause an allergic skin reaction.
Repr. 2 Skin Irrit. 2 Skin Sens. 1 H315 H317 H361	Reproductive toxicity, Category 2. Skin corrosion/irritation, Category 2. Skin sensitisation, Category 1. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child.
Repr. 2 Skin Irrit. 2 Skin Sens. 1 H315 H317 H361 H400	Reproductive toxicity, Category 2. Skin corrosion/irritation, Category 2. Skin sensitisation, Category 1. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Very toxic to aquatic life.
Repr. 2 Skin Irrit. 2 Skin Sens. 1 H315 H317 H361 H400 H410	Reproductive toxicity, Category 2. Skin corrosion/irritation, Category 2. Skin sensitisation, Category 1. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
Repr. 2 Skin Irrit. 2 Skin Sens. 1 H315 H317 H361 H400 H410 H411 EUH205	Reproductive toxicity, Category 2. Skin corrosion/irritation, Category 2. Skin sensitisation, Category 1. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects.
Repr. 2 Skin Irrit. 2 Skin Sens. 1 H315 H317 H361 H400 H410 H411 EUH205 <b>Classification and procedure</b>	Reproductive toxicity, Category 2. Skin corrosion/irritation, Category 2. Skin sensitisation, Category 1. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Very toxic to aquatic life. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Contains epoxy constituents. May produce an allergic reaction.
Repr. 2 Skin Irrit. 2 Skin Sens. 1 H315 H317 H361 H400 H410 H411 EUH205 Classification and procedure [CLP]	Reproductive toxicity, Category 2. Skin corrosion/irritation, Category 2. Skin sensitisation, Category 1. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Contains epoxy constituents. May produce an allergic reaction. <b>used to derive the classification for mixtures according to Regulation (EC) 1272/2008</b>

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Calculation method

Aquatic Chronic 2

H411