### SAFETY DATA SHEET

according to Regulation (EU) 2015/830



ISSUE DATE: 22.10.2018 REVISION DATE: 22.10.2018

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

1.1.	Product identifier			
	Trade name	ND-oil12		
	Product code	-		
	SDS Number	2681		
	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 DENSO Europe B.V. Hogeweyselaan 165 1382 JL Weesp - Netherlands T +31-294-493493 - F +31-294-417122 hse@rle.de

### 1.4. Emergency telephone number

+31 (0)294 493 493 (Mo. - Fr. 08:30 - 17:00 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.

May cause an allergic skin reaction, Very toxic to aquatic life, Toxic to aquatic life with long lasting effects

### 2.2. Label elements

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

Hazard pictograms



Signal word	Warning	
Contains	Poly[oxy(methyl-1,2-eth tris(nonylphenyl) phosp	nanediyl)], .alphamethylomegamethoxy-; hite
Hazard statements		
H317	May cause an allergic s	skin reaction.
H400	Very toxic to aquatic life	е.
H411	Toxic to aquatic life with	h long lasting effects.
Precautionary statements		
ode: -	CD an	Devision dates 10/22/2019

Prevention	
P261	Avoid breathing mist, spray, vapours.
P273	Avoid release to the environment.
P280	Wear protective gloves.
Response	
P333+P313	If skin irritation or rash occurs: Get medical advice/attention
P362+P364	Take off contaminated clothing and wash it before reuse
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-	24991-61-5 680-480-1	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	
tris(nonylphenyl) phosphite	26523-78-4 247-759-6 015-202-00-4	0.1 - < 1	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	

### M: M-Factor

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. Call a physician if symptoms develop or persist.

	Skin contact:	Wash skin with plenty of 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. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.			
	Ingestion	Rinse mouth. Call a POISON CENTER/doctor if you feel unwell.			
4.2.	Most important symptoms and effects,	st 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 at	tention and special treatment needed			
	Treat symptomatically.				
5.	SECTION 5: Firefighting measures				
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 subst	ance 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 Protection during firefighting	Move containers from fire area if it can be done without personal risk. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.			
6.	SECTION 6: Accidental release mea	asures			
6.1.	Personal precautions, protective equipment and emergency procedures				
	For non-emergency personnel				
	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 SDS.			
	For emergency responders				
	Protective equipment	Wear recommended personal protective equipment.			
	Emergency procedures	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.			
6.2.	Environmental precautions	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.			
6.3.	Methods and material for containment	and cleaning up			
	Methods for cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small spills: Take up liquid spill into absorbent material. Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use.			

Other information

### 6.4. Reference to other sections For furt

For further information refer to section 13.

# 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.

# 7.2. Conditions for safe storage, including any incompatibilities Storage conditions Keep cool. Protect from sunlight. Store in a dry place. Store in a closed container. 7.3. Specific end use(s) Compressor oil for air conditioning systems.

# 8. SECTION 8: Exposure controls/personal protection

# 8.1. Control parameters

Regulation	Substance		Туре	Value	
EH40. HSE	2,6-di-tert-butyl-p-c (128-37-0) 2,6-Di-tert-butyl-p-cr		WEL TWA	10 mg/m <sup>3</sup>	3
DNEL: Derived no effe	ect level				
No data available					
Components	Туре	Route	Value		Form
decyloxirane (2855-19-	8) Worker	Dermal	10.4 mg/kg bodyweight/da	ay	Long-term - systemic effects
		Inhalation:	36.7 mg/m <sup>3</sup>		Long-term - systemic effects
	Consumer	Oral	6.25 mg/kg bodyweight/da	ay	Long-term - systemic effects
		Inhalation:	10.9 mg/m³		Long-term - systemic effects
		Dermal	6.25 mg/kg bodyweight/da	ау	Long-term - systemic effects
dodecyloxirane (3234-2	28-4) Worker	Dermal	10.4 mg/kg bodyweight/da	iy	Long-term - systemic effects
		Inhalation:	36.7 mg/m <sup>3</sup>		Long-term - systemic effects
	Consumer	Oral	6.25 mg/kg bodyweight/da	ay	Long-term - systemic effects
		Inhalation:	10.9 mg/m³		Long-term - systemic effects
		Dermal	6.25 mg/kg bodyweight/da	ay	Long-term - systemic effects
PNEC: Predicted no e	ffect concentration				
No data available					
Components	Туре	Route	Value		Form
decyloxirane (2855-19-	8) Not applicable	Freshwater	0.171 μg/L		
		Seawater	0.017 µg/L		
		Freshwater	1.71 µg/L		Intermittent release
		STP	3.6 mg/l		
dodecyloxirane (3234-2	28-4) Not applicable	Freshwater	0.002 µg/L		
		Seawater	0 µg/L		
		Freshwater			Intermittent release

STP	2.61	mg/l
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# 8.2. Exposure controls

Appropriate engineering controls Materials for protective clothing		Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level Wear suitable protective clothing.				
Individual protection	n measures, such as p	ersonal protective equi	ersonal protective equipment (PPE)			
Eye protection		Safety glasses with sid	le shields			
Skin protection						
Hand protection		Protective gloves.				
Material	Permeation	Thickness (mm)	Comments			
Nitrile rubber (NBR)	2 (> 30 minutes)	> 0.3	EN 374			
Other protective measures						
Other protective	measures	handling the material a	personal hygiene measures, such as washing after and before eating, drinking, and/or smoking. Routinely d protective equipment to remove contaminants.			
Other protective Respiratory protecti		handling the material a wash work clothing an	and before eating, drinking, and/or smoking. Routinely			
·	on	handling the material a wash work clothing an Not normally needed. equipment	and before eating, drinking, and/or smoking. Routinely d protective equipment to remove contaminants.			

# 9. SECTION 9: Physical and chemical properties

# 9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear.
Colour	light yellow.
Odour	Characteristic.
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	182 °C Open cup
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	0.9885 g/cm <sup>3</sup> @ 15°C
Solubility	insoluble in water.
Log Pow	No data available
Viscosity, kinematic	39.45 mm²/s @ 40°C 9.079 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	
VOC (EU)	Not applicable

9.2.

### 10. **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	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.

### SECTION 11: Toxicological information 11.

# 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 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
Potential adverse human health effects and symptoms	Occupational exposure to the substance or mixture may cause adverse effects.

### **SECTION 12: Ecological information** 12.

# 12.1. Toxicity

Ecology - general		Very toxic	to aquat	ic life. Toxic to a	aquatic life with	long lasting 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	
	Fish	Danio rerio	LC0	> 0.5 mg/l	96 hours	
decyloxirane (2855-19- 8)	algae	Pseudokirc hnerella subcapitat a	EC50	0.056 mg/l	72 hours	(OECD 201 method)
	crustacea	Daphnia magna	EC50	0.171 mg/l	48 hours	(OECD 202 method)
dodecyloxirane (3234- 28-4)	algae	Pseudokirc hnerella subcapitat a	EC50	0.002 mg/l	72 hours	(OECD 201 method)
Tris(methylphenyl) phosphate (1330-78-5)	Fish	Oncorhync hus mykiss (Rainbow trout)	LC50	0.21 - 0.32 mg/l,	96 hours	
tris(nonylphenyl)	crustacea	Daphnia	EC50	0,42 mg/l	48 h	
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	phosphite (26523-78-4)	magna					
	Chronic aquatic toxicity	mayna					
	Substance / Product Trophic level	Species	Туре	Value	Duration	Remarks	
	dodecyloxirane (3234- algae 28-4)	Pseudokirc hnerella subcapitat a	NOEC	0.002 mg/l	72 hours		
12.2.	Persistence and degradability						
	decyloxirane (2855-19-8)						
	Biodegradation	60 - 70 %	28 d (OE	CD 301 B)			
	dodecyloxirane (3234-28-4)						
	Biodegradation	>= 60 - 70	) % (OEC	D 301 B)			
12.3.	Bioaccumulative potential						
	decyloxirane (2855-19-8)						
	Log Pow	5.9 @ 25	°C				
	dodecyloxirane (3234-28-4)						
	Log Kow	5.77 @ 2	5°C				
	Tris(methylphenyl) phosphate (1330-7	8-5)					
	Log Kow	5.11					
12.4.	Mobility in soil						
	No additional information available.						
12.5.	Results of PBT and vPvB assessm	nent					
	ND-oil12						
	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.						
	This substance/mixture does not meet th	e PBT criteria of	REACH r	egulation, a	innex XIII.		
	This substance/mixture does not meet th This substance/mixture does not meet th			-			
12.6.				-			
12.6.	This substance/mixture does not meet th	e vPvB criteria of No other a	f REACH adverse e ation pote	regulation, a	annex XIII. al effects (e.g.	ozone depletion, photochemical n, global warming potential) are	
12.6. 13.	This substance/mixture does not meet th Other adverse effects	e vPvB criteria o No other a ozone cre expected	f REACH adverse e ation pote	regulation, a	annex XIII. al effects (e.g.		
	This substance/mixture does not meet th Other adverse effects Other adverse effects	e vPvB criteria o No other a ozone cre expected	f REACH adverse e ation pote	regulation, a	annex XIII. al effects (e.g.		
13.	This substance/mixture does not meet th Other adverse effects Other adverse effects SECTION 13: Disposal conside	e vPvB criteria of No other a ozone cre expected rations Empty co its contair	FREACH	regulation, movironment notial, endo product.	annex XIII. al effects (e.g. crine disruptio y retain some p	n, global warming potential) are product residues. This material and anner (see: Disposal instructions).	
13.	This substance/mixture does not meet the Other adverse effects Other adverse effects SECTION 13: Disposal conside Waste treatment methods	e vPvB criteria of No other a ozone cre expected rations Empty co its contair Dispose c Collect ar site. Do n contamina	REACH adverse e ation pote from this from this fin accor d reclaim ot allow th ate ponds f contents	regulation, invironment intial, endo product. r liners may e disposed dance with or dispose is material waterways	annex XIII. al effects (e.g. crine disruptio y retain some p of in a safe m local regulatio in sealed cont to drain into se s or ditches wit	n, global warming potential) are product residues. This material and anner (see: Disposal instructions).	
13.	This substance/mixture does not meet th Other adverse effects Other adverse effects SECTION 13: Disposal conside Waste treatment methods Regional legislation (waste)	e vPvB criteria of No other a ozone cre expected rations Empty co its contair Dispose o Collect ar site. Do n contamina Dispose o instructior Since em after cont	REACH adverse e ation pote from this p fin accorr d reclaim ot allow th ate ponds. f contents ns. ptied cont ainer is er	regulation, - nvironment ntial, endoo product. r liners may e disposed dance with or dispose is material waterways /container ainers may nptied. Emp	annex XIII. al effects (e.g. crine disruptio of in a safe m local regulatio in sealed com to drain into s s or ditches wit in accordance retain product	n, global warming potential) are product residues. This material and anner (see: Disposal instructions). ns. ainers at licensed waste disposal ewers/water supplies. Do not h chemical or used container. with licensed collector's sorting residue, follow label warnings even should be taken for recycling,	
13.	This substance/mixture does not meet theOther adverse effectsOther adverse effectsSECTION 13: Disposal considerWaste treatment methodsRegional legislation (waste)Waste treatment methodsProduct/Packaging disposalrecommendationsAdditional information	e vPvB criteria of No other a ozone cre expected rations Empty co its contair Dispose c Collect ar site. Do n contamina Dispose c instruction Since em after cont	REACH adverse e ation pote from this p from this p fin accorr d reclaim ot allow th ate ponds of contents ns. ptied cont ainer is er or waste in	regulation, a nvironment ential, endo product. r liners may e disposed dance with or dispose is material waterways /container ainers may nptied. Emp accordance	annex XIII. al effects (e.g. crine disruptio y retain some p of in a safe m local regulatio in sealed cont to drain into s s or ditches wit in accordance retain product oty containers	n, global warming potential) are product residues. This material and anner (see: Disposal instructions). ns. ainers at licensed waste disposal ewers/water supplies. Do not h chemical or used container. with licensed collector's sorting residue, follow label warnings even should be taken for recycling, egulation.	
13.	This substance/mixture does not meet the Other adverse effects Other adverse effects SECTION 13: Disposal conside Waste treatment methods Regional legislation (waste) Waste treatment methods Product/Packaging disposal recommendations Additional information European List of Waste (LoW) code	e vPvB criteria of No other a ozone cre expected rations Empty co its contain Dispose of Collect ar site. Do n contamina Dispose of instruction Since em after cont recovery of Dispose in	REACH adverse e ation pote from this p from this p fro	regulation, - nvironment intial, endoo product. r liners may e disposed dance with or dispose is material waterways /container ainers may nptied. Emp n accordance nce with all	annex XIII. al effects (e.g. crine disruptio y retain some p of in a safe m local regulatio in sealed com to drain into s s or ditches wit in accordance retain product oty containers ce with local reg	n, global warming potential) are product residues. This material and anner (see: Disposal instructions). ns. ainers at licensed waste disposal ewers/water supplies. Do not h chemical or used container. with licensed collector's sorting residue, follow label warnings even should be taken for recycling, egulation.	
13.	This substance/mixture does not meet theOther adverse effectsOther adverse effectsSECTION 13: Disposal considerWaste treatment methodsRegional legislation (waste)Waste treatment methodsProduct/Packaging disposalrecommendationsAdditional information	e vPvB criteria of No other a ozone cre expected rations Empty co its contain Dispose of Collect ar site. Do n contamina Dispose of instruction Since em after cont recovery of Dispose in other eng	REACH adverse e ation pote from this p from this p of in accorr d reclaim ot allow th ate ponds, of contents ns. ptied cont ainer is er or waste in n accorda ine, gear a	regulation, - nvironment ntial, endoo product. r liners may e disposed dance with or dispose is material waterways /container ainers may nptied. Emp n accordance nce with all and lubricat	annex XIII. al effects (e.g. crine disruptio y retain some p of in a safe m local regulatio in sealed com to drain into s s or ditches wit in accordance retain product oty containers ce with local reg	n, global warming potential) are product residues. This material and anner (see: Disposal instructions). ns. ainers at licensed waste disposal ewers/water supplies. Do not h chemical or used container. with licensed collector's sorting residue, follow label warnings even should be taken for recycling, egulation.	

# 14. SECTION 14: Transport information

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)	11
	Packing group (IMDG)	
	Packing group (IATA)	
	Packing group (ADN)	
	Packing group (RID)	
14.5.	Environmental hazards	
	Dangerous for the environment	Yes
	Marine pollutant	Yes
	Other information	No supplementary information available.
		supportentary mornation 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)	5 L
Packing instructions (IMDG)	P001, LP01
EmS-No. (Fire)	F-A
EmS-No. (Spillage)	S-F
Stowage category (IMDG)	A
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

### The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006

2,6-di-tert-butyl-p-cresol - decyloxirane -	3(c) Substances or mixtures fulfilling the criteria for any of the following hazard
dodecyloxirane - Tris(methylphenyl)	classes or categories set out in Annex I to Regulation (EC) No 1272/2008:
phosphate - tris(nonylphenyl) phosphite	Hazard class 4.1

decyloxirane - dodecyloxirane - Tris(methylphenyl) phosphate - tris(nonylphenyl) phosphite	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
tris(nonylphenyl) phosphite	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

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

VOC (EU)	Not applicable
Other information, restriction and prohibition regulations	Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended. Directive 94/33/EC on the protection of young people at work, as amended.
Seveso Information	E1 Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1
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 changes
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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.
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.
ΙΑΤΑ	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.
SDS	Safety Data Sheet.

STP	Sewage treatment plant.		
TLM	Median Tolerance Limit.		
vPvB	Very Persistent and Very Bioaccumulative.		
SDS	Safety Data Sheet.		
OEL	Occupational Exposure Limit.		
RRN	REACH Registration no		
CAO	Cargo Aircraft Only.		
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-statements

Aquatic Acute 1	Hazardous	to the aquatic environment — Acute Hazard, Category 1.	
Aquatic Chronic 1	Hazardous	Hazardous to the aquatic environment — Chronic Hazard, Category 1.	
Aquatic Chronic 2	Hazardous	Hazardous to the aquatic environment — Chronic Hazard, Category 2.	
Repr. 2	Reproduct	Reproductive toxicity, Category 2.	
Skin Irrit. 2	Skin corros	Skin corrosion/irritation, Category 2.	
Skin Sens. 1	Skin sensit	Skin sensitisation, Category 1.	
H315	Causes sk	Causes skin irritation.	
H317	May cause	May cause an allergic skin reaction.	
H361	Suspected	Suspected of damaging fertility or the unborn child.	
H400	Very toxic	Very toxic to aquatic life.	
H410	Very toxic	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to ac	Toxic to aquatic life with long lasting effects.	
EUH205	Contains e	Contains epoxy constituents. May produce an allergic reaction.	
Classification and proced [CLP]	lure used to de	rive the classification for mixtures according to Regulation (EC) 1272/2008	
Skin Sens. 1	H317	Calculation method	
Aquatic Acute 1	H400	Calculation method	
Aquatic Chronic 2	H411	Calculation method	

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.