Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010 Date of issue:24/01/2013 Revision date:23/01/2017 Supersedes:21/01/2016

SECTION 1: Identification of the su	ubstance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixture
Product name	: WOLF ECOTECH 0W30 C3 FE
Product code	: 16105
Product group	: Blend
1.2. Relevant identified uses of the su	bstance 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 safe	tv 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	r mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified	
2.2. Label elements	
Labelling according to Regulation (EC) No.	. 1272/2008 [CLP]
EUH-statements	: EUH210 - Safety data sheet available on request EUH208 - Contains C14-16-18 Alkylphenol. May produce an allergic reaction
Child-resistant fastening	: No
Tactile warning	: No
2.3. Other hazards	
No additional information available	

SECTION 3: Composition/information on ingredients 3.1. Substance Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Baseoil - unspecified	(CAS No) 64742-54-7 (EC no) 265-157-1 (REACH-no) 01-2119484627-25	78,9	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
00/04/0047			4/0

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C14-16-18 Alkylphenol	(REACH-no) 01-2119498288-19	1 - 2,49	Skin Sens. 1, H317 STOT RE 2, H373
Zinc bis[O-(-6-methylheptyl)] bis[O-(sec- butyl)]bis(dithiophosphate)	(EC no) 298-577-9 (REACH-no) 01-2119543726-33	0,1 - 0,99	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Specific concentration limits:			
Name	Product identifier	Specific co	ncentration limits
Zinc bis[O-(-6-methylheptyl)] bis[O-(sec- butyl)]bis(dithiophosphate)	(EC no) 298-577-9 (REACH-no) 01-2119543726-33	(6,25 =< C < 100) Skin Irrit. 2, H315 (10 =< C < 12,5) Eye Irrit. 2, H319 (12,5 =< C < 100) Eye Dam. 1, H318	

Full text of H-statements: see section 16

T un text of H-statements. See Section To	
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 effe	-
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 medic	al 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 s	ubstance 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 me	asures
6.1. Personal precautions, protective e	quipment and emergency procedures
6.1.1. For non-emergency personnel	
Protective equipment	: Wear suitable protective clothing and gloves.
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. Not	ify authorities if product enters sewers or public waters.
6.3. Methods and material for containing	nent 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
5	required.

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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, i	ncluding 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	: Wear suitable gloves resistant to chemical penetration
Skin and body protection	: No special clothing/skin protection equipment is recommended under normal conditions of use

with adequate ventilation.

: No special respiratory protection equipment is recommended under normal conditions of use

Respiratory protection



SECTION 9: Physical and chemical properties	
9.1. Information on basic physical and	
Physical state	: Liquid
Appearance	: Oily liquid.
Colour	: Yellow-brown.
Odour	: Characteristic.
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: šC
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 200 °C @ ASTM D92
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 850 kg/m³ @15°C
Solubility	: Slightly soluble, the product remains on the water surface.
Log Pow	: No data available
Viscosity, kinematic	: 66,6 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

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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 avid No data available. 10.5. Nossibility of hazardous reactions Strong oxidorans. acids. Bases. 10.6. Nazardous decomposition products None under normal conditions. SECTION 111 FOX/COOglical Information 11.1. Information on toxicological effects Acute toxicity Not classified Biographonyllamin 06878-20.3) LD50 denal rat 5 6000 mg/kg OCEO 401 LD50 denal rat 2 3000 mg/kg OCFO 402 LD50 denal rat 5 0000 mg/kg OCFO 402 LD50 denal rat 5 0000 mg/kg OCFO 402 LD50 denal rat 5 0000 mg/kg OCFO 402 LD50 den	according to Regulation (EC) No. 1907/2006 (REACH) with	its amendment Regulation (EC) No. 453/2010	
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Serious eye damage/irritation : Not classified Based on available data, the classification criteria are not met Germ cell mutagenicity : Not classified Based on available data, the classification criteria are not met Garn cell mutagenicity : Not classified Based on available data, the classification criteria are not met Garn cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified Specific target organ toxicity (single exposure) : Not classified Specific target organ toxicity (repeated exposure) : Not classified Specific target organ toxicity (repeated exposure) : Not classified spocific (64742-54-7) > 2000 mg/kg bodyweight NOAEL (dermal, rat/rabbit, 90 days) > 1000 mg/kg bodyweight > > NOAEL (subacute, oral, animal/male, 28 days) > 220 mg/kg bodyweight > > NOAEL (subchronic, oral, animal/male, 28 days) > 200 mg/kg bodyweight > > Aspiration hazard : Not classified Viscosity, kinematic 66,6 mm²/s @ 40°C			
Respiratory or skin sensitisation : Not classified Based on available data, the classification criteria are not met Germ cell mutagenicity : Not classified Carcinogenicity Carcinogenicity : Not classified Reproductive toxicity : Not classified Specific target organ toxicity (single exposure) : Not classified Baseoil - unspecified (64742-54-7) > 2000 mg/kg bodyweight NOAEL (dermal, rat/rabbit) > 2000 mg/kg bodyweight Specific target organ toxicity (repeated exposure) : Not classified WOAEL (dermal, rat/rabbit, 90 days) > 1000 mg/kg bodyweight/day NOAEL (subacute, oral, animal/male, 28 days) > 220 mg/kg bodyweight NOAEL (subchronic, oral, animal/male, 90 days) > 980 mg/kg bodyweight Aspiration hazard : Not classified WOLF ECOTECH 0W30 C3 FE - Viscosity, kinematic 66.6 mm²/s @ 40°C			
Based on available data, the classification criteria are not met Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified Specific target organ toxicity (single exposure) : Not classified Baseoil - unspecified (64742-54-7) NOAEL (dermal, rat/rabbit) > 2000 mg/kg bodyweight Specific target organ toxicity (repeated exposure) : Not classified Baseoil - unspecified (64742-54-7) NOAEL (dermal, rat/rabbit, 90 days) > 2000 mg/kg bodyweight NOAEL (dermal, rat/rabbit, 90 days) > 1000 mg/kg bodyweight/day NOAEL (subacute, oral, animal/male, 28 days) > 220 mg/kg bodyweight NOAEL (subchronic, oral, animal/male, 90 days) > 980 mg/kg bodyweight > 980 mg/kg bodyweight Aspiration hazard : Not classified WOLF ECOTECH 0W30 C3 FE Viscosity, kinematic Viscosity, kinematic 66,6 mm²/s @ 40°C			
Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified Specific target organ toxicity (single exposure) : Not classified Baseoil - unspecified (64742-54-7) > 2000 mg/kg bodyweight NOAEL (dermal, rat/rabbit) > 2000 mg/kg bodyweight Specific target organ toxicity (repeated exposure) : Not classified exposure) : Not classified Baseoil - unspecified (64742-54-7) : Not classified NOAEL (dermal, rat/rabbit) > 2000 mg/kg bodyweight/day NOAEL (dermal, rat/rabbit, 90 days) > 1000 mg/kg bodyweight/day NOAEL (subacute, oral, animal/male, 28 days) > 220 mg/kg bodyweight NOAEL (subchronic, oral, animal/male, 90 days) > 980 mg/kg bodyweight Aspiration hazard : Not classified WOLF ECOTECH 0W30 C3 FE • Not classified Viscosity, kinematic 66,6 mm²/s @ 40°C SECTION 12: Ecological information 66,6 mm²/s @ 40°C			
Carcinogenicity : Not classified Reproductive toxicity : Not classified Specific target organ toxicity (single exposure) : Not classified Baseoil - unspecified (64742-54-7) > 2000 mg/kg bodyweight NOAEL (dermal, rat/rabbit) > 2000 mg/kg bodyweight Specific target organ toxicity (repeated exposure) : Not classified Baseoil - unspecified (64742-54-7) : Not classified Baseoil - unspecified (64742-54-7) : Not classified NOAEL (dermal, rat/rabbit, 90 days) > 1000 mg/kg bodyweight/day NOAEL (subacute, oral, animal/male, 28 days) > 220 mg/kg bodyweight NOAEL (subchronic, oral, animal/male, 90 days) > 980 mg/kg bodyweight Aspiration hazard : Not classified WOLF ECOTECH 0W30 C3 FE : Not classified Viscosity, kinematic 66,6 mm²/s @ 40°C SECTION 12: Ecological information : Section = 1000 mg/kg bodyweight	Germ cell mutagenicity		
Reproductive toxicity : Not classified Specific target organ toxicity (single exposure) : Not classified Baseoil - unspecified (64742-54-7) > 2000 mg/kg bodyweight NOAEL (dermal, rat/rabbit) > 2000 mg/kg bodyweight Specific target organ toxicity (repeated exposure) : Not classified Baseoil - unspecified (64742-54-7) NOAEL (dermal, rat/rabbit, 90 days) NOAEL (dermal, rat/rabbit, 90 days) > 1000 mg/kg bodyweight/day NOAEL (subacute, oral, animal/male, 28 days) > 220 mg/kg bodyweight NOAEL (subacute, oral, animal/male, 90 days) > 980 mg/kg bodyweight NOAEL (subchronic, oral, animal/male, 90 days) > 980 mg/kg bodyweight MOAEL (subchronic, oral, animal/male, 90 days) > 980 mg/kg bodyweight MOAEL (subchronic, oral, animal/male, 90 days) > 980 mg/kg bodyweight MoLF ECOTECH 0W30 C3 FE Viscosity, kinematic Viscosity, kinematic 66,6 mm²/s @ 40°C SECTION 12: Ecological information Section formation			
Specific target organ toxicity (single exposure) : Not classified Baseoil - unspecified (64742-54-7) > 2000 mg/kg bodyweight NOAEL (dermal, rat/rabbit) > 2000 mg/kg bodyweight Specific target organ toxicity (repeated exposure) : Not classified Baseoil - unspecified (64742-54-7) : Not classified NOAEL (dermal, rat/rabbit, 90 days) > 1000 mg/kg bodyweight/day NOAEL (subacute, oral, animal/male, 28 days) > 220 mg/kg bodyweight NOAEL (subchronic, oral, animal/male, 90 days) > 980 mg/kg bodyweight ASpiration hazard : Not classified WOLF ECOTECH 0W30 C3 FE Viscosity, kinematic Viscosity, kinematic 66,6 mm²/s @ 40°C	o ,		
Baseoil - unspecified (64742-54-7) > 2000 mg/kg bodyweight NOAEL (dermal, rat/rabbit) > 2000 mg/kg bodyweight Specific target organ toxicity (repeated exposure) : Not classified Baseoil - unspecified (64742-54-7)	, , , , , , , , , , , , , , , , , , ,		
NOAEL (dermal, rat/rabbit) > 2000 mg/kg bodyweight Specific target organ toxicity (repeated exposure) : Not classified Baseoil - unspecified (64742-54-7)			
Specific target organ toxicity (repeated exposure) Not classified Baseoil - unspecified (64742-54-7) NOAEL (dermal, rat/rabbit, 90 days) > 1000 mg/kg bodyweight/day NOAEL (subacute, oral, animal/male, 28 days) > 220 mg/kg bodyweight NOAEL (subchronic, oral, animal/male, 90 days) > 980 mg/kg bodyweight NOAEL (subchronic, oral, animal/male, 90 days) > 980 mg/kg bodyweight NOAEL (subchronic, oral, animal/male, 90 days) > 980 mg/kg bodyweight VOLFE COTECH 0W30 C3 FE Viscosity, kinematic Viscosity, kinematic 66,6 mm²/s @ 40°C SECTION 12: Ecological information 12.1. Toxicity			
Baseoil - unspecified (64742-54-7) NOAEL (dermal, rat/rabbit, 90 days) > 1000 mg/kg bodyweight/day NOAEL (subacute, oral, animal/male, 28 days) > 220 mg/kg bodyweight NOAEL (subchronic, oral, animal/male, 90 days) > 980 mg/kg bodyweight NOAEL (subchronic, oral, animal/male, 90 days) > 980 mg/kg bodyweight Aspiration hazard : Not classified WOLF ECOTECH 0W30 C3 FE Viscosity, kinematic Viscosity, kinematic 66,6 mm²/s @ 40°C SECTION 12: Ecological information 12.1. Toxicity			
NOAEL (dermal, rat/rabbit, 90 days) > 1000 mg/kg bodyweight/day NOAEL (subacute, oral, animal/male, 28 days) > 220 mg/kg bodyweight NOAEL (subchronic, oral, animal/male, 90 > 980 mg/kg bodyweight days) > 980 mg/kg bodyweight Aspiration hazard : Not classified WOLF ECOTECH 0W30 C3 FE Viscosity, kinematic 66,6 mm²/s @ 40°C SECTION 12: Ecological information 12.1. Toxicity	Specific target organ toxicity (repeated exposure)	: Not classified	
NOAEL (subacute, oral, animal/male, 28 days) > 220 mg/kg bodyweight NOAEL (subchronic, oral, animal/male, 90 days) > 980 mg/kg bodyweight Aspiration hazard : Not classified WOLF ECOTECH 0W30 C3 FE Viscosity, kinematic 66,6 mm²/s @ 40°C SECTION 12: Ecological information 12.1. Toxicity	Baseoil - unspecified (64742-54-7)		
NOAEL (subchronic, oral, animal/male, 90 days) > 980 mg/kg bodyweight Aspiration hazard : Not classified WOLF ECOTECH 0W30 C3 FE Viscosity, kinematic 66,6 mm²/s @ 40°C SECTION 12: Ecological information 12.1. Toxicity		> 1000 mg/kg bodyweight/day	
days) Image: Constraint of the second of t	NOAEL (subacute, oral, animal/male, 28 days)		
WOLF ECOTECH 0W30 C3 FE Viscosity, kinematic 66,6 mm²/s @ 40°C SECTION 12: Ecological information 12.1. Toxicity		> 980 mg/kg bodyweight	
Viscosity, kinematic 66,6 mm²/s @ 40°C SECTION 12: Ecological information 12.1. Toxicity	Aspiration hazard	: Not classified	
SECTION 12: Ecological information 12.1. Toxicity	WOLF ECOTECH 0W30 C3 FE		
12.1. Toxicity	Viscosity, kinematic	66,6 mm²/s @ 40°C	
12.1. Toxicity			
Bis(nonylphenyl)amine (36878-20-3)	12.1. Toxicity		
	Bis(nonylphenyl)amine (36878-20-3)		

Bis(nonyiphenyi)amine (36878-20-3)		
LC50 fish 1	> 100 mg/I OECD 203 (Danio rerio @96h)	
EC50 Daphnia 1	> 100 mg/l OECD 202 (Daphnia magna)	
EC50 72h algae (1)	> 100 mg/I OECD 201 (Desmodesdus subspicatus)	
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Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate)		
LC50 fish 1	4,5 mg/l OECD 203 (Oncorhynchys mykiss) 96h	
EC50 Daphnia 1	5,4 mg/l OECD 202 (Daphnia magna) 48h	
EC50 other aquatic organisms 1	2,1 mg/l OECD 201 (Selenastrum capricornutum) 48h	
Baseoil - unspecified (64742-54-7)		
LC50 fish 1	> 100 mg/l	
12.2. Persistence and degradability		
WOLF ECOTECH 0W30 C3 FE		
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	
Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl]bis(dithiophosphate)	
Biodegradation	1,5 % OECD 301B 28d	
12.3. Bioaccumulative potential		
Bis(nonylphenyl)amine (36878-20-3)		
Log Pow	> 7.6	
Bioaccumulative potential	Potential to bioaccumulate.	
Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl		
Log Pow	0.9 @23°C	
Baseoil - unspecified (64742-54-7)	0,5 625 0	
Bioaccumulative potential	No data available.	
12.4. Mobility in soil		
Bis(nonylphenyl)amine (36878-20-3)		
Ecology - soil	Adsorbs into the soil.	
Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl		
Ecology - soil	Adsorbs into the soil.	
12.5. Results of PBT and vPvB assessment		
No additional information available		
12.6. Other adverse effects		
No additional information available		
SECTION 13: Disposal considerations		
13.1. Waste treatment methods	D'anne is a fear ann is a sead ann a sith is a that is a fear beautifue.	
Additional information	Dispose in a safe manner in accordance with local/national regulations.	
SECTION 14: Transport information		
In accordance with ADR / RID / IMDG / IATA / ADI	N	
14.1. UN number		
Not regulated for transport		
14.2. UN proper shipping name		
	Not applicable	
Proper Shipping Name (IMDG)	Not applicable	
Proper Shipping Name (IATA)	Not applicable	
Proper Shipping Name (ADN)	Not applicable	
	Not applicable	
14.3. Transport hazard class(es)		
ADR		
Transport hazard class(es) (ADR)	Not applicable	
IMDG		
Transport hazard class(es) (IMDG)	Not applicable	
IATA	Not applicable	
Transport hazard class(es) (IATA)	Not applicable	

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ADN Transport hazard class(es) (ADN)	: Not applicable
RID Transport hazard class(es) (RID)	: Not applicable
14.4. Packing group	
Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable
14.5. Environmental hazards	
Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

14.6. Special precautions for user

- 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

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION	ON 15: Regulatory information	n	
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture		
15.1.1.	EU-Regulations		
Contains	no REACH substances with Annex XV no substance on the REACH candidate no REACH Annex XIV substances		
15.1.2.	National regulations		
Germany	/		
VwVwS A	Annex reference	:	Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)
	nance Implementing the Federal n Control Act - 12.BImSchV	:	Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)
Netherla	nds		
SZW-lijst	van kankerverwekkende stoffen	:	Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate),Baseoil - unspecified are listed
SZW-lijst	van mutagene stoffen	:	Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate),Baseoil - unspecified are listed

: None of the components are listed

: None of the components are listed

NIET-limitatieve lijst van voor de voortplanting

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen - Borstvoeding

giftige stoffen - Vruchtbaarheid

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NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	: None of the components are listed
Denmark	
Classification remarks	: Emergency management guidelines for the storage of flammable liquids must be followed
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 chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

Indi	cation of changes:			
1		Classification according	Modified	
		to Regulation (EC) No. 1272/2008 [CLP]		
3.:	2	Composition/informatio n on ingredients	Modified	

Abbreviations and acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists
TWA: Time Weighted Average
TLV: Threshold Limit Value
ASTM: American Society for Testing and Materials
ADR: Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
ADNR: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin
IMDG: International Maritime Dangerous Goods
ICAO: International Civil Aviation Organization
IATA: International Air Transport Association
STEL: Short Term Exposure Limit
LD50: median Lethal Dose for 50% of subjects
ATE: acute toxicity estimate
LC50: median Lethal Concentration for 50% of subjects
 EC50: concentration producing 50% effect
EC50: concentration producing 50% effect

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:

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. 1	Sensitisation — Skin, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
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
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life
EUH208	Contains . May produce an allergic reaction
EUH210	Safety data sheet available on request

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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