

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 7-3-2013 Revision date: 17-5-2016 Supersedes: 28-1-2016 Version: 1.4

SECT	ON 1: Identification of the sub	ostance/mixture and of the company/undertaking	
1.1.	Product identifier		
Product		: Mixtures	
Product		: PM Xeramic Engine Flush	
Product code		: 20124	
Type of		: Lubricant	
11			
1.2.	Relevant identified uses of the subs	stance or mixture and uses advised against	
1.2.1.	Relevant identified uses		
Main us	e category	: Consumer use, Industrial use, Professional use	
Use of t	ne substance/mixture	: This oil should not be used for any other purpose than the intended use without expert advice	
1.2.2.	Uses advised against		
No addi	ional information available		
1.3.	Details of the supplier of the safety	data sheet	
Rooswij 1951 MI T +31 2	rk Automotive Chemicals BV kweg 316 E Velsen-Noord - Netherlands 51 211397 - F +31 251 212390 t <u>tromark.eu</u>		
1.4.	Emergency telephone number		
Emerge	ncy number	: +31 251 211397	
SECT	ON 2: Hazards identification		
2.1.	Classification of the substance or n	nixture	
Classification according to Regulation (EC) No. 1272/2008 [CLP] 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		
Labellin	g according to Regulation (EC) No. 1	272/2008 [CLP]	
	tements	 EUH210 - Safety data sheet available on request EUH208 - Contains Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs, calcium salts(722503-68-6). May produce an allergic reaction 	
2.3.	Other hazards		
	azards not contributing to the	: Flammable liquids. Prolonged or repeated skin contact with the material will remove natural oils	
classific		which leads to a dermatitis. Spills of this product present a serious slipping hazard.	
SECT	ON 3: Composition/informatic	on on ingredients	
3.1. Substances			
Not applicable			
3.2.	Mixtures		

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated heavy paraffinic, Baseoil - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.] (Note L)	(CAS No) 64742-54-7 (EC no) 265-157-1 (EC index no) 649-467-00-8 (REACH-no) 01-2119484627-25	1 - 5	Asp. Tox. 1, H304
Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts	(CAS No) 722503-68-6	0,1 - 0,5	Skin Sens. 1, H317 Aquatic Chronic 4, H413

Note L : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3. Full text of H-statements: see section 16

SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general	: Never give anything by mouth to an unconscious person. 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. If you feel unwell, seek medical advice. Assure fresh air breathing. Allow the victim to rest.			
First-aid measures after skin contact	: Wash contaminated clothing before reuse. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water.			
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution.			
First-aid measures after ingestion	: Get immediate medical advice/attention. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell.			
4.2. Most important symptoms and effe	cts, both acute and delayed			
Symptoms/injuries	: Not expected to present a significant hazard under anticipated conditions of normal use.			
Symptoms/injuries after inhalation	: After adequate first aid, no further treatment is required unless symptoms reappear.			
Symptoms/injuries after skin contact	: After adequate first aid, no further treatment is required unless symptoms reappear.			
Symptoms/injuries after eye contact	: After adequate first aid, no further treatment is required unless symptoms reappear.			
Symptoms/injuries after ingestion	: After adequate first aid, no further treatment is required unless symptoms reappear.			
4.3. Indication of any immediate medical attention and special treatment needed				
Obtain medical assistance. Ingestion of large quantities: immediately to hospital.				
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 water jet since it may cause the fire to spread. Do not use a heavy water stream.			
5.2. Special hazards arising from the substance or mixture				
Fire hazard	: On burning: release of carbon monoxide - carbon dioxide.			
Reactivity in case of fire	: Possibility of hazardous reactions.			
Hazardous decomposition products in case of fire	: Toxic fumes may be released.			
5.3. Advice for firefighters				
Precautionary measures fire	: Evacuate area. Fight fire remotely due to the risk of explosion. Stop leak if safe to do so.			
Firefighting instructions	: Do not enter fire area without proper protective equipment, including respiratory protection. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.			
Protection during firefighting	Wear self-contained breathing apparatus, rubber boots and thick rubber doves. Do not enter			

Protection during firefighting : Wear self-contained breathing apparatus, rubber boots and thick rubber gloves. Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Other information

: Cool down the containers exposed to heat with a water spray.

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SECTION 6: Accidental release measures		
6.1. Personal precautions, protective ec	Personal precautions, protective equipment and emergency procedures	
6.1.1. For non-emergency personnel	. For non-emergency personnel	
Protective equipment	: Eliminate all ignition sources if safe to do so.	
Emergency procedures	: Ventilate spillage area. Evacuate unnecessary personnel.	
6.1.2. For emergency responders		
Protective equipment	Do not attempt to take action without suitable protective equipment. Eliminate all ignition sources if safe to do so. Wear suitable protective clothing, gloves and eye/face protection. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".	
Emergency procedures	: Stop leak if safe to do so. Stop release. Ventilate area.	
6.2. Environmental precautions		
Avoid release to the environment. Prevent entry	to sewers and public waters. Notify authorities if liquid enters sewers or public waters.	
6.3. Methods and material for containm	ent and cleaning up	
For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.	
Methods for cleaning up	Take up liquid spill into absorbent material. Absorb spillage to prevent material damage. Large spills: scoop solid spill into closing containers. This material and its container must be disposed of in a safe way, and as per local legislation. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.	
Other information	: Provide for a tub to collect spills. Dispose of materials or solid residues at an authorized site.	
6.4. Reference to other sections		
See Heading 8. Exposure controls and personal protection. For further information refer to section 13.		
SECTION 7: Handling and storage		

SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Additional hazards when processed	: Keep away from Heat, hot surfaces, naked flames No smoking.		
Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.		
Handling temperature	: ≤ 50 °C		
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. 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			
Technical measures	: Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed.		
Storage conditions	: Store in dry protected location to prevent any moisture contact. Heat sources. Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat sources. Keep container closed when not in use. Store in a well-ventilated place. Keep cool.		
Incompatible products	: Oxidizing agent. Strong bases. Strong acids.		
Incompatible materials	: Keep away from any possible contact with water, because of violent reaction and possible flash fire. Sources of ignition. Direct sunlight.		
Storage temperature	: 45 °C		
Storage area	: Store in a well-ventilated place. Store away from heat.		
Special rules on packaging	: Store in a closed container. Keep only in original container.		
7.3. Specific end use(s)			

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

 Distillates (petroleum), hydrotreated heavy paraffinic, Baseoil - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)

 EU
 IOELV TWA (mg/m³)

EU	IOELV TVVA (mg/m²)	5 mg/m [°]
Belgium	Limit value (mg/m ³)	5 mg/m³
USA - ACGIH	ACGIH TWA (mg/m³)	5 mg/m³
USA - ACGIH	ACGIH STEL (mg/m ³)	10 mg/m ³
USA - NIOSH	NIOSH REL (TWA) (mg/m ³)	5 mg/m³

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Distillates (petroleum), hydrotreated heavy paraffinic, Baseoil - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)			
USA - NIOSH NIOSH REL (STEL) (mg/m³) 10 mg/m³			

8.2. Exposure controls

Appropriate engineering controls:

Use adequate ventilation to keep oil mist below applicable standard. Use splash goggles when eye contact due to splashing is possible. Ocular shower with suitable liquid.

Personal protective equipment:

Gloves. Safety glasses. Protective clothing. Avoid all unnecessary exposure.

Materials for protective clothing:

Wear suitable protective clothing

Hand protection:

Protective gloves

Eye protection:

Chemical goggles or safety glasses. Use splash goggles when eye contact due to splashing is possible. EN 166

Skin and body protection:

Avoid prolonged and repeated contact with skin. If repeated skin contact or contamination of clothing is likely, protective clothing should be worn

Respiratory protection:

Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment. Particle filter. EN 143



Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not wear leather soled shoes. Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties		
0.1. Information on basic physical and chemical properties		
Physical state	: Liquid	
Appearance	: Characteristics.	
Colour	: light brown.	
Odour	: characteristic.	
Odour threshold	: No data available	
pH	: No data available	
Relative evaporation rate (butylacetate=1)	: No data available	
Melting point	: Not applicable	
Freezing point	: -24 °C	
Boiling point	: No data available	
Flash point	: > 200 °C	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: Non flammable	
Vapour pressure	: No data available	
Relative vapour density at 20 °C	: No data available	
Relative density	: No data available	
Density	: 874 kg/m³ @15°C	
Solubility	: insoluble in water.	

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Log Pow	: No data available
Viscosity, kinematic	: 32,2 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	
Other properties	: See Product Data Sheet for detailed information.
Additional information	: None.

SECTION 10: Stabilit	v and reactivity

10.1. Reactivity

None.

10.2. Chemical stability

The product is stable at normal handling and storage conditions. Not established.

s

None. Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Oxidizing agent. Strong acids. Strong bases.

10.6. Hazardous decomposition products

None. fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information			
11.1. Information on toxicological effects			
Acute toxicity	: Prolonged or repeated skin contact with the material will remove natural oils which leads to a dermatitis		

treating a petroleum fraction with hy	heavy paraffinic, Baseoil - unspecified, [A complex combination of hydrocarbons obtained by drogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers nrough C50 and produces a finished oil of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains a ed hydrocarbons.] (64742-54-7)		
LD50 oral	> 5000 mg/kg		
LD50 dermal (rabbit)	> 2000 mg/kg		
Skin corrosion/irritation	: No other effects known		
Additional information	: Based on available data, the classification criteria are not met		
Serious eye damage/irritation	: Data not validated		
Additional information	: Based on available data, the classification criteria are not met		
Respiratory or skin sensitisation	: No other effects known		
Additional information	: Based on available data, the classification criteria are not met		
Germ cell mutagenicity	: No other effects known		
	Based on available data, the classification criteria are not met		
Carcinogenicity	This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test		
Additional information	: Based on available data, the classification criteria are not met		
Reproductive toxicity	: Not classified		
Additional information	: Based on available data, the classification criteria are not met		
STOT-single exposure	: Not classified		
Additional information	: Based on available data, the classification criteria are not met		
STOT-repeated exposure	: Not classified		
Additional information	: Based on available data, the classification criteria are not met		
Aspiration hazard	: Not classified		
Additional information	: Based on available data, the classification criteria are not met		
Petromark Engine Flush			
Viscosity, kinematic	32,2 mm²/s @40°C		
7-11-2016	EN (English) SDS Ref : PM-1094 5/9		

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Potential adverse human health effects and : Based on available data, the classification criteria are not met.

symptoms	
SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: No data available.
treating a petroleum fraction with hydrogen i	araffinic, Baseoil - unspecified, [A complex combination of hydrocarbons obtained by n the presence of a catalyst. It consists of hydrocarbons having carbon numbers 50 and produces a finished oil of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains a pcarbons.] (64742-54-7)
EC50 Daphnia 1	10000 mg/l
12.2. Persistence and degradability	
Petromark Engine Flush	
Persistence and degradability	No data available. Not established.
treating a petroleum fraction with hydrogen i predominantly in the range of C20 through C relatively large proportion of saturated hydro	
Biodegradation	30 % 28 d OECD 301F
12.3. Bioaccumulative potential	
Petromark Engine Flush	
Bioaccumulative potential	No data available. Not established.
treating a petroleum fraction with hydrogen i	araffinic, Baseoil - unspecified, [A complex combination of hydrocarbons obtained by n the presence of a catalyst. It consists of hydrocarbons having carbon numbers 50 and produces a finished oil of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains a ocarbons.] (64742-54-7)
Log Kow	>4
12.4. Mobility in soil	
Petromark Engine Flush	
Ecology - soil	No ecological damage caused by this product.
12.5. Results of PBT and vPvB assessmen	it
No additional information available	
12.6. Other adverse effects	
Additional information	: Avoid release to the environment
SECTION 13: Disposal consideration	S
13.1. Waste treatment methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Waste disposal recommendations	: Dispose of contents/container to Dispose in a safe manner in accordance with local/national regulations, See Directive 2001/118/EC. See Directive 2001/118/EC. Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.
European List of Waste (LoW) code	 13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils 15 01 10* - packaging containing residues of or contaminated by dangerous substances
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / AD	N

UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable

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according to Regulation (EC) No. 1907/2006 (REACH)	with its amendment Regulation (EU) 2015/830
Proper Shipping Name (RID)	: Not applicable
14.3. Transport hazard class(es)	
ADR	
Transport hazard class(es) (ADR)	: Not applicable
Transport hazard class(es) (IMDG)	: Not applicable
ΙΑΤΑ	
Transport hazard class(es) (IATA)	: Not applicable
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 processions for user	
14.6. Special precautions for user	
- Overland transport	
· · ·	
- Overland transport	
- Overland transport No data available	
 Overland transport No data available Transport by sea No data available 	
 Overland transport No data available Transport by sea No data available Air transport 	
 Overland transport No data available Transport by sea No data available Air transport No data available 	
 Overland transport No data available Transport by sea No data available Air transport No data available Inland waterway transport 	
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 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 	nex II of Marpol and the IBC Code
 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 Ann 	
 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 Anr Not applicable SECTION 15: Regulatory information 	
 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 Anr Not applicable SECTION 15: Regulatory information 	on
 Overland transport No data available Transport by sea No data available Air transport No data available Inland waterway transport No data available Inland waterway transport No data available Rail transport No data available 14.7. Transport in bulk according to Anr Not applicable SECTION 15: Regulatory information 15.1. Safety, health and environmental rest 	on egulations/legislation specific for the substance or mixture
 Overland transport No data available Transport by sea No data available Air transport No data available Inland waterway transport No data available Inland waterway transport No data available Rail transport No data available Transport in bulk according to Ann Not applicable SECTION 15: Regulatory information Safety, health and environmental region 	on egulations/legislation specific for the substance or mixture
 Overland transport No data available Transport by sea No data available Air transport No data available Air transport No data available Inland waterway transport No data available Inland waterway transport No data available Rail transport No data available Rail transport No data available Transport in bulk according to Annot Applicable SECTION 15: Regulatory information Safety, health and environmental results Contains no REACH substances with Annex XM Contains no substance on the REACH candidate 	on egulations/legislation specific for the substance or mixture
 Overland transport No data available Transport by sea No data available Air transport No data available Inland waterway transport No data available Inland waterway transport No data available Rail transport No data available Rail transport No data available Transport in bulk according to Ann Not applicable SECTION 15: Regulatory information 15.1. Safety, health and environmental results Intervention Intervention Contains no REACH substances with Annex XX 	on egulations/legislation specific for the substance or mixture
 Overland transport No data available Transport by sea No data available Air transport No data available Air transport No data available Inland waterway transport No data available Rail transport No data available Rail transport No data available 14.7. Transport in bulk according to Anr Not applicable SECTION 15: Regulatory information 15.1. Safety, health and environmental results 15.1.1. EU-Regulations Contains no REACH substances with Annex XV Contains no REACH Annex XIV substances 	egulations/legislation specific for the substance or mixture /II restrictions te list
 Overland transport No data available Transport by sea No data available Air transport No data available Air transport No data available Inland waterway transport No data available Rail transport No data available Rail transport No data available Transport in bulk according to Ann Not applicable SECTION 15: Regulatory information 15.1. Safety, health and environmental results Scontains no REACH substances with Annex XV Contains no substance on the REACH candidate 	on egulations/legislation specific for the substance or mixture
 Overland transport No data available Transport by sea No data available Air transport No data available Air transport No data available Inland waterway transport No data available Rail transport No data available Rail transport No data available 14.7. Transport in bulk according to Am Not applicable SECTION 15: Regulatory information 15.1. Safety, health and environmental results Safety, health and environmental results Contains no REACH substances with Annex XV Contains no REACH Annex XIV substances Other information, restriction and prohibition 	egulations/legislation specific for the substance or mixture /II restrictions te list

Germany

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VwVwS Annex reference	: Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4)
WGK remark	: Classification in compliance with Verwaltungsvorschriftwassergefährdender Stoffe (VwVwS) of 17 May 1999
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)
Netherlands	
Hazardous to water	: 8 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Ministry's list of carcinogens	Distillates (petroleum), hydrotreated heavy paraffinic, Baseoil - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.] is listed
Ministry's list of mutagens	Distillates (petroleum), hydrotreated heavy paraffinic, Baseoil - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.] is listed
NON-exhaustive list of reproductive toxins - Breastfeeding	: None of the components are listed
NON-exhaustive list of reproductive toxins - Fertility	: None of the components are listed
NON-exhaustive list of reproductive toxins - Evolution	: None of the components are listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Revised safety data sheet in accordance with commission regulation (EU) No 453/2010.

	Revision date	Modified	
	Supersedes	Modified	
1.2	Main use category	Modified	
1.2	Industrial/Professional	Removed	
	use spec		

Abbreviations and acronyms:

Abbi Cviations ai	able viations and actority ins.	
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	
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	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
PNEC	Predicted No-Effect Concentration	
PBT	Persistent Bioaccumulative Toxic	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
vPvB	Very Persistent and Very Bioaccumulative	

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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.
Other information	: None.
Full text of H- and EUH-statements:	

Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Skin Sens. 1	Sensitisation — Skin, Category 1
H304	May be fatal if swallowed and enters airways
H317	May cause an allergic skin reaction
H413	May cause long lasting harmful effects to aquatic life
EUH208	Contains . May produce an allergic reaction
EUH210	Safety data sheet available on request

SDS EU (REACH Annex II)

DISCLAIMER OF LIABILITY 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