

SAFETY DATA SHEET QUALUBE UNIVERSAL ANTIFREEZE

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

1.1. Product identifier

Product name QUALUBE UNIVERSAL ANTIFREEZE

Product number **ANTIFREEZE**

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

Identified uses Antifreeze liquid.

1.3. Details of the supplier of the safety data sheet

Supplier

WITHAM OIL AND PAINT LTD OUTER CIRCLE ROAD LINCOLN LN2 4HL 01522 521192 01522 537030 01522 560228 enquires@withamgroup.co.uk

1.4. Emergency telephone number

(01502)563434 Monday to Thursday 8.00am to5.00pm, Friday 8.00am to 4.30pm. **Emergency telephone**

Danger

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture		
Classification (EC 1272/2008)		
Physical hazards	Not Classified	
Health hazards	Acute Tox. 4 - H302 Repr. 1B - H360F STOT RE 2 - H373	
Environmental hazards	Not Classified	

Classification (67/548/EEC or -1999/45/EC)

2.2. Label elements

Hazard pictograms



Signal word

Hazard statements

H302 Harmful if swallowed. H360F May damage fertility. H373 May cause damage to organs through prolonged or repeated exposure.

	customer request.		
Composition comments	Bitrex[Denatonium benzoate CA	ayed in Section 16. S 3734-33-6] may have been added in small quanti	ities by
	s and Hazard Statements are Disp	laved in Section 16.	
Acute Tox. 3 - H301 Aquatic Acute 1 - H400			
Ox. Sol. 3 - H272		D;R8 T;R25 N;R50	
Classification	(Classification (67/548/EEC or 1999/45/EC)	
M factor (Acute) = 1			
SODIUM NITRITE CAS number: 7632-00-0	EC number: 231-555-	9	<1%
Eye Irrit. 2 - H319 Repr. 1B - H360FD		Repr. Cat. 2;R60,R61	
Classification	(Classification (67/548/EEC or 1999/45/EC)	
CAS number: 12179-04-3	EC number: 215-540-	4	
DISODIUM TETRABORATE	PENTAHYDRATE		5-10%
STOT RE 2 - H373		·	
Classification Acute Tox. 4 - H302		Classification (67/548/EEC or 1999/45/EC) Kn;R22	
CAS number: 107-21-1	EC number: 203-473-	3	
ETHANEDIOL			60-100%
3.2. Mixtures			
SECTION 3: Composition/infe	ormation on ingredients		
2.3. Other hazards	ETHANEDICE, DISODICIMITET		
Precautionary statements	P260 Do not breathe vapour/ spi P264 Wash contaminated skin th P270 Do not eat, drink or smoke P280 Wear protective gloves/ pri P301+P312 IF SWALLOWED: C P308+P313 IF exposed or conce P314 Get medical advice/ attenti P330 Rinse mouth. P405 Store locked up.	ty precautions have been read and understood. ray. noroughly after handling. when using this product. otective clothing/ eye protection/ face protection. call a POISON CENTRE/doctor if you feel unwell. erned: Get medical advice/ attention. fon if you feel unwell.	

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Never give anything by mouth to an unconscious person. Place unconscious person on the side in the recovery position and ensure breathing can take place.
Inhalation	Move affected person to fresh air at once. If breathing stops, provide artificial respiration. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing.
4.2. Most important symptoms	and effects, both acute and delayed
Inhalation	Upper respiratory irritation.
Ingestion	May cause stomach pain or vomiting. Nausea, vomiting.
Skin contact	Prolonged skin contact may cause redness and irritation.
Eye contact	May cause temporary eye irritation.
4.3. Indication of any immedia	te medical attention and special treatment needed
Notes for the doctor	Treat symptomatically.
SECTION 5: Firefighting meas	sures
5.1. Extinguishing media	
Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising fro	om the substance or mixture
Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up.
Hazardous combustion products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of: Carbon.
5.3. Advice for firefighters	
Protective actions during firefighting	Avoid breathing fire gases or vapours. Containers close to fire should be removed or cooled with water. Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
SECTION 6: Accidental release	e measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. No smoking,
	sparks, flames or other sources of ignition near spillage.

6.2. Environmental precautions

Environmental precautions	Spillages or uncontrolled discharges into watercourses must be reported immediately to the
	Environmental Agency or other appropriate regulatory body. Do not discharge into drains or
	watercourses or onto the ground. Collect and dispose of spillage as indicated in Section 13.

6.3. Methods and material for containment and cleaning up

Methods for cleaning upStop leak if possible without risk. DO NOT touch spilled material! No smoking, sparks, flames
or other sources of ignition near spillage. Absorb in vermiculite, dry sand or earth and place
into containers. Collect and place in suitable waste disposal containers and seal securely. For
waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid inhalation of vapours/spray and contact with skin and eyes. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Keep away from food, drink and animal feeding stuffs. Keep only in the original container in a cool, well-ventilated place. Keep only in the original container in a cool, well-ventilated place. Keep containers upright. Store in closed original container at temperatures between 5°C and 25°C. Suitable container materials: Mild steel. Polyethylene. Stainless steel. Unsuitable container materials: Aluminium.
Storage class	Chemical storage.
7.3. Specific end use(s)	
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
SECTION 8: Exposure controls	/Personal protection

8.1. Control parameters

Occupational exposure limits

Long-term exposure limit (8-hour TWA): WEL 60 mg/m³ Short-term exposure limit (15-minute): WEL 125 mg/m³

ETHANEDIOL

Long-term exposure limit (8-hour TWA): WEL 20 ppm 52 mg/m³ vapour Short-term exposure limit (15-minute): WEL 40 ppm 104 mg/m³ vapour Sk Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ particulate

Sk

DISODIUM TETRABORATE PENTAHYDRATE

Long-term exposure limit (8-hour TWA): WEL 1.0 mg/m³ WEL = Workplace Exposure Limit Sk = Can be absorbed through the skin.

Ingredient comments WEL = Workplace Exposure Limits

DNEL	Industry - Inhalation; Long term local effects: 35 mg/m ³ Industry - Dermal; Long term systemic effects: 106 mg/kg Consumer - Inhalation; Long term local effects: 7 mg/m ³ Consumer - Dermal; Long term systemic effects: 53 mg/m ³
PNEC	 Fresh water; 10 mg/l marine water; 1 mg/l STP; 199.5 mg/l Sediment (Freshwater); 20.9 mg/kg Soil; 1.53 mg/kg Intermittent release; 10 mg/l
	ETHANEDIOL (CAS: 107-21-1)
DNEL	Industry - Inhalation; Long term local effects: 35 mg/m ³ Industry - Dermal; Long term systemic effects: 106 mg/m ³ Consumer - Inhalation; Long term local effects: 7 mg/m ³ Consumer - Dermal; Long term systemic effects: 53 mg/m ³
PNEC	- Fresh water; 10 mg/l - marine water; 1 mg/l - STP; 199.5 mg/l - Sediment (Freshwater); 20.9 mg/kg - Soil; 1.53 mg/kg - Intermittent release; 10 mg/l
	DISODIUM TETRABORATE PENTAHYDRATE (CAS: 12179-04-3)
DNEL	Consumer - Oral; Short term systemic effects: 1.15 mg/kg/day Industry - Inhalation; Short term local effects: 17.04 mg/m ³ Industry - Inhalation; Long term local effects: 17.04 mg/m ³ Industry - Inhalation; Long term systemic effects: 9.8 mg/m ³ Consumer - Inhalation; Short term local effects: 17.04 mg/m ³ Consumer - Inhalation; Long term local effects: 17.04 mg/m ³ Consumer - Inhalation; Long term systemic effects: 4.9 mg/m ³ Industry - Dermal; Long term systemic effects: 458.2 mg/kg/day Consumer - Dermal; Long term systemic effects: 231.8 mg/kg/day
PNEC	- Fresh water; 2.02 mg/l - marine water; 2.02 mg/l - Intermittent release; 13.7 mg/l - Soil; 5.4 mg/kg - STP; 10.0 mg/l
	SODIUM NITRITE (CAS: 7632-00-0)
DNEL	Workers - Inhalation; Short term systemic effects: 2 mg/m ³ Workers - Inhalation; Long term systemic effects: 2 mg/m ³
PNEC	 Fresh water; 0.0054 mg/l Sediment (Freshwater); 0.0195 mg/kg Intermittent release; 0.0054 mg/l Sediment (Marinewater); 0.0223 mg/kg marine water; 0.00616 mg/l STP; 21 mg/l Soil; 0.000733 mg/kg

8.2. Exposure controls

Protective equipment	
Appropriate engineering controls	Provide adequate general and local exhaust ventilation.
Eye/face protection	The following protection should be worn: Chemical splash goggles or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.
Hand protection	It is recommended that gloves are made of the following material: Nitrile rubber. Polyvinyl alcohol (PVA). Butyl rubber. Neoprene. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.
Other skin and body protection	Provide eyewash station and safety shower. Wear suitable protective clothing as protection against splashing or contamination.
Hygiene measures	Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Wash contaminated clothing before reuse.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P2.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties		
Appearance	Liquid.	
Colour	Blue.	
Odour	Odourless.	
Melting point	-12°C	
Initial boiling point and range	165°C @ 760 mm Hg	
Flash point	111°C Closed cup.	
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 3.2	
Vapour pressure	0.05 kPa @ 20°C	
Vapour density	2.14	
Relative density	1.13 @ 20°C	
Solubility(ies)	Miscible with the following materials: Acetone. Alcohols. Miscible with water.	
Partition coefficient	log Pow: -1.93	
Auto-ignition temperature	400°C	
Viscosity	21 cP @ 20°C	

9.2. Other information SECTION 10: Stability and reactivity 10.1. Reactivity Reactivity There are no known reactivity hazards associated with this product. 10.2. Chemical stability Stability Stable at normal ambient temperatures and when used as recommended. 10.3. Possibility of hazardous reactions Possibility of hazardous Will not polymerise. reactions 10.4. Conditions to avoid Conditions to avoid Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidising agents. 10.5. Incompatible materials Materials to avoid Strong acids. Strong alkalis. Strong oxidising agents. 10.6. Hazardous decomposition products Hazardous decomposition Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or products vapours. Oxides of carbon. SECTION 11: Toxicological information 11.1. Information on toxicological effects **Toxicological effects** Information given is applicable to the major ingredient. Acute toxicity - oral Species Rat 512.82 ATE oral (mg/kg) Acute toxicity - dermal Acute toxicity dermal (LD50 3,500.0 mg/kg) Species Mouse Acute toxicity - inhalation Acute toxicity inhalation (LC50 2.5 vapours mg/l) Species Rat Skin corrosion/irritation Animal data Not irritating. Serious eye damage/irritation Serious eye damage/irritation Not irritating. Skin sensitisation Skin sensitisation Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. Germ cell mutagenicity Genotoxicity - in vitro Genome mutation: Negative. Not mutagenic Carcinogenicity

Carcinogenicity	Not available.
Reproductive toxicity	
Reproductive toxicity - fertility	Fertility - >1000 mg/kg, Oral, Rat Not expected to be a reproductive toxicant.
Reproductive toxicity - development	Not available.
Specific target organ toxicity -	single exposure
STOT - single exposure	Not available.
Specific target organ toxicity -	repeated exposure
STOT - repeated exposure	NOAEL 200 mg/m³, Oral, Rat
General information	The product contains small amounts of organic solvents. Extensive use of the product in areas with inadequate ventilation may result in the accumulation of hazardous vapour concentrations.
Ingestion	Harmful if swallowed.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	Splashes in the eyes may cause irritation and reversible local damage
Acute and chronic health hazards	Prolonged contact may cause dryness of the skin.
Route of exposure	Inhalation Skin absorption Ingestion. Skin and/or eye contact
-	· ·

Toxicological information on ingredients.

ETHANEDIOL

Acute toxicity - oral	
Acute toxicity oral (LD₅₀ mg/kg)	7,712.0
Species	Rat
ATE oral (mg/kg)	500.0
Acute toxicity - dermal	
Acute toxicity dermal (LD∞ mg/kg)	3,500.0
Species	Mouse
Acute toxicity - inhalation	
Acute toxicity inhalation (LC₅₀ vapours mg/l)	2.5
Species	Rat
Reproductive toxicity	
Reproductive toxicity - fertility	Fertility - Dose level: >1000 mg/kg, Oral, Rat P
Route of exposure	Ingestion

	Target organs		Kidneys
			DISODIUM TETRABORATE PENTAHYDRATE
	Acute toxicity - or	al	
	Acute toxicity oral mg/kg)	_	3,200.0
	Species		Rat
	Acute toxicity - de	ermal	
	Acute toxicity den mg/kg)	mal (LD₅₀	2,100.0
	Species		Rabbit
	Acute toxicity - inf	halation	
	Acute toxicity inha (LC∞ dust/mist m		2.1
	Species		Rat
			SODIUM NITRITE
	Acute toxicity - or	al	
	Acute toxicity oral mg/kg)	I (LD50	180.0
	Species		Rat
SECTION 12	Species 2: Ecological inform	nation	Rat
SECTION 12 Ecotoxicity	•	The prod	Rat
Ecotoxicity	2: Ecological inform	The prod	luct is not expected to be hazardous to the environment. Information given is
Ecotoxicity	2: Ecological inform 2: Ecological inform <u>y</u> ic toxicity	The prod applicabl	luct is not expected to be hazardous to the environment. Information given is
Ecotoxicity 12.1. Toxicit Acute aquati	2: Ecological inform 2 <u>y</u> i <u>c toxicity</u> y - fish y - aquatic	The prod applicabl LC₅₀, 96	luct is not expected to be hazardous to the environment. Information given is le to the major ingredient.
Ecotoxicity <u>12.1. Toxicit</u> <u>Acute aquati</u> Acute toxicit Acute toxicit invertebrates	2: Ecological inform 2 <u>y</u> i <u>c toxicity</u> y - fish y - aquatic	The prod applicabl LC₅o, 96 EC₅o, 48	luct is not expected to be hazardous to the environment. Information given is le to the major ingredient. hours: 72860 mg/l, Pimephales promelas (Fat-head Minnow)
Ecotoxicity <u>12.1. Toxicit</u> <u>Acute aquati</u> Acute toxicit Acute toxicit invertebrates	2: Ecological inform 2: Ecological inform y ic toxicity y - fish y - aquatic s y - aquatic plants y -	The prod applicabl LC₅o, 96 EC₅o, 48 EC₅o, 96	luct is not expected to be hazardous to the environment. Information given is le to the major ingredient. hours: 72860 mg/l, Pimephales promelas (Fat-head Minnow) hours: >100 mg/l, Daphnia magna
Ecotoxicity <u>12.1. Toxicit</u> <u>Acute aquati</u> Acute toxicit Acute toxicit invertebrates Acute toxicit Acute toxicit microorganis <u>Chronic aqu</u>	2: Ecological inform 2: Ecological inform y ic toxicity y - fish y - aquatic s y - aquatic plants y - sms atic toxicity	The prod applicabl LC₅0, 96 EC₅0, 48 EC₅0, 96 EC₂0, 30	luct is not expected to be hazardous to the environment. Information given is le to the major ingredient. hours: 72860 mg/l, Pimephales promelas (Fat-head Minnow) hours: >100 mg/l, Daphnia magna hours: >6500 mg/l, Selenastrum capricornutum
Ecotoxicity <u>12.1. Toxicit</u> <u>Acute aquati</u> Acute toxicit Acute toxicit invertebrates Acute toxicit Acute toxicit microorganis <u>Chronic aqu</u> Stage	2: Ecological inform 2: Ecological inform y ic toxicity y - fish y - aquatic s y - aquatic plants y - sms atic toxicity	The prod applicabl LC50, 96 EC50, 48 EC50, 96 EC20, 30 NOEC, 7	luct is not expected to be hazardous to the environment. Information given is le to the major ingredient. hours: 72860 mg/l, Pimephales promelas (Fat-head Minnow) hours: >100 mg/l, Daphnia magna hours: >6500 mg/l, Selenastrum capricornutum minutes: >1995 mg/l, Activated sludge
Ecotoxicity <u>12.1. Toxicit</u> <u>Acute aquati</u> Acute toxicit Acute toxicit invertebrates Acute toxicit Acute toxicit microorganis <u>Chronic aqu</u> Stage	2: Ecological inform 2: Ecological inform y ic toxicity y - fish y - aquatic s y - aquatic plants y - sms <u>atic toxicity</u> city - fish early life	The prod applicabl LC50, 96 EC50, 48 EC50, 96 EC20, 30 NOEC, 7	luct is not expected to be hazardous to the environment. Information given is le to the major ingredient. hours: 72860 mg/l, Pimephales promelas (Fat-head Minnow) hours: >100 mg/l, Daphnia magna hours: >6500 mg/l, Selenastrum capricornutum minutes: >1995 mg/l, Activated sludge
Ecotoxicity <u>12.1. Toxicit</u> <u>Acute aquati</u> Acute toxicit Acute toxicit invertebrates Acute toxicit Acute toxicit microorganis <u>Chronic aqu</u> Stage	2: Ecological inform 2: Ecological inform y ic toxicity y - fish y - aquatic s y - aquatic plants y - sms <u>atic toxicity</u> city - fish early life	The prod applicabl LC₅o, 96 EC₅o, 48 EC₅o, 96 EC₂o, 30 NOEC, 7	luct is not expected to be hazardous to the environment. Information given is le to the major ingredient. hours: 72860 mg/l, Pimephales promelas (Fat-head Minnow) hours: >100 mg/l, Daphnia magna hours: >6500 mg/l, Selenastrum capricornutum minutes: >1995 mg/l, Activated sludge ' days: 15380 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - fish

LC₈₀, 96 hours: 72860 mg/l, Pimephales promelas (Fat-head Minnow)

	Acute toxicity - aquatic invertebrates Acute toxicity - aquatic plants		EC₅₀, 48 hours: >100 mg/l, Daphnia magna		
			EC₅₀, 96 hours: 6500-13000 mg/l, Pseudokirchneriella subcapitata		
			DISODIUM TETRABORATE PENTAHYDRATE		
	Acute aquatic to	vicity			
	Acute toxicity - fish		LC₅₀, 24 hours: 88 mg/l, Oncorhynchus mykiss (Rainbow trout) LC₅₀, 7 days: 65 mg/l, Carassius auratus (Goldfish)		
	Acute toxicity - aquatic invertebrates		EC₀, 24 hours: 242 mg/l, Daphnia magna		
			SODIUM NITRITE		
Acute aquatic toxicity					
	LE(C)50		$0.1 < L(E)C50 \le 1$		
	M factor (Acute)		1		
	Acute toxicity - fish		LC₅₀, 48 hours: 360 mg/l, Leuciscus idus (Golden orfe) LC₅₀, 96 hours: 0.54-26.3 mg/l, Oncorhynchus mykiss (Rainbow trout)		
	Acute toxicity - ad invertebrates	quatic	EC₅₀, 48 hours: 15.4 mg/l, Daphnia magna NOEC, : 9.86 mg/l,		
12.2. Persis	tence and degrada	ability			
Persistence	and degradability	The pro	duct is readily biodegradable.		
Stability (hy	drolysis)	Hydroly	sis is not expected/ probable.		
12.3. Bioaco	cumulative potentia	al			
Bioaccumula	ative potential	Bioaccu	mulation is unlikely.		
Partition coe	efficient	log Pow	: -1.93		
12.4. Mobilit	y in soil				
Mobility		This material has volatility and is water soluble hence the potential for mobility is high.			
Adsorption/desorption coefficient		Water - Koc: 1 @ °C			
Henry's law	constant	0.1327 a	atm m³/mol @ °C		
12.5. Results of PBT and vPvB assessment					
Results of PBT and vPvB assessment		This substance is not classified as PBT or vPvB according to current EU criteria.			
12.6. Other	adverse effects				
Other adver	se effects	None kr	iown.		
SECTION 13: Disposal considerations					
13.1. Waste treatment methods					
General information		Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Waste is suitable for instruction			

incineration.

Disposal methodsDispose of waste to licensed waste disposal site in accordance with the requirements of the
local Waste Disposal Authority.Waste classWaste code: 07 01 04

SECTION 14: Transport information

14.1. UN number

No information required.

14.2. UN proper shipping name

No information required.

14.3. Transport hazard class(es)

No information required.

14.4. Packing group

No information required.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

No information required.

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

Transport in bulk according to Ethylene glycol Pollution category: Cat Y Ship type: 3. Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

National regulations	Health and Safety at Work etc. Act 1974 (as amended). The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). Control of Substances Hazardous to Health Regulations 2002 (as amended).
EU legislation	Dangerous Substances Directive 67/548/EEC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Dangerous Preparations Directive 1999/45/EC.

15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

SECTION 16: Other information					
Issued by	Technical manager				
Revision date	15/10/2019				
Revision	1				

Supersedes date	02/09/2015
SDS number	20470
Hazard statements in full	 H272 May intensify fire; oxidiser. H301 Toxic if swallowed. H302 Harmful if swallowed. H319 Causes serious eye irritation. H360F May damage fertility. H360FD May damage fertility. May damage the unborn child. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.