



SAFETY DATA SHEET
ACID FREE WHEEL CLEANER

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

<u>1.1. Product identifier</u>	
Product Name	ACID FREE WHEEL CLEANER
Internal ID	MTS 0001
<u>1.2. Relevant identified uses of the substance or mixture and uses advised against</u>	
Identified uses	Cleaning agent
Uses advised against	Use only for intended applications.
<u>1.3. Details of the supplier of the safety data sheet</u>	
Supplier	Motor Trade Supplies Ltd Unit 5 Preston Nurseries Weghill Road Hull HU12 8SX +44 (0) 7778 411 723 sales@mtsproducts.co.uk
<u>1.4. Emergency telephone number</u>	
Emergency telephone	+44 (0) 7778 411 723 Opening Hours 9 am - 4 pm (Monday - Friday)

SECTION 2: Hazards identification

<u>2.1. Classification of the substance or mixture Classification (EC 1272/2008)</u>	
Physical hazards	Met. Corr. 1 - H290
Health hazards	Skin Corr. 1A - H314 Eye Dam. 1 - H318
Environmental hazards	Aquatic Chronic 3 - H412
<u>2.2. Label elements</u>	
Hazard Pictograms	
Signal word	Danger
Hazard statements	H314 Causes severe skin burns and eye damage. H412 Harmful to aquatic life with long lasting effects. H290 May be corrosive to metals.

Precautionary statements	<p>P280 Wear protective clothing, gloves, eye and face protection.</p> <p>P301+P330+P331 IF SWALLOWED: Rinse mouth.</p> <p>Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
UFI	UFI: 2910-G01R-900P-AAP4
Contains	<p>sodium hydroxide</p> <p>Detergent labelling < 5% cationic surfactants, < 5% EDTA and salts thereof, < 5% phosphonates</p>
Detergent labelling	< 5% cationic surfactants, < 5% EDTA and salts thereof, < 5% phosphonates
<u>2.3. Other hazards</u>	
This product does not contain any substances classified as PBT or vPvB.	

SECTION 3: Composition/information on ingredients

3.1. Mixtures

Sodium Hydroxide	5-10%
CAS number: 1310-73-2 EC number: 215-185-5 REACH registration number: 01- 2119457892-27-XXXX	
Classification Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318	
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	1-5%
CAS number: 51981-21-6 EC number: 257-573-7 REACH registration number: 01- 2119493601-38-XXXX	
Classification Not classified	
Quaternary ammonium compounds, C12-14-alkyltrimethyl, Me sulfates	1-5%
CAS number: 96690-44-7 EC number: 306-238-4 REACH registration number: 01- 2120770734-48-XXXX	
M factor (Acute) = 10 M factor (Chronic) = 1	
Classification Acute Tox. 4 - H302 Acute Tox. 3 - H311 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
Tetrasodium (1-hydroxyethylidene)bisphosphonic acid	1-5%
CAS number: 3794-83-0 EC number: 223-267-7 REACH registration number: 01- 2119510385-52-XXXX	

Classification Acute Tox. 4 - H302 Eye Irrit. 2 - H319	
Quaternary ammonium compounds, benzyl-C12-14 (even <1% numbered)-alkyldimethyl, chlorides <1% CAS number: 68424-85-1 EC number: 939-350-2 M factor (Acute) = 10 M factor (Chronic) = 1	
Classification Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
PROPANE-1,2-DIOL <1% CAS number: 57-55-6 EC number: 200-338-0 REACH registration number: 01- 2119456809-23-XXXX	
Classification Not classified	
Ethanol <1% CAS number: 64-17-5 EC number: 200-578-6 REACH registration number: 01- 2119457610-43-XXXX	
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures	
General information	Show this Safety Data Sheet to the medical personnel. Chemical burns must be treated by a physician. Get medical attention immediately. If medical advice is needed, have product container or label at hand.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention immediately.
Skin contact	Rinse immediately with plenty of water. Get medical attention immediately.
Eye contact	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
4.2. Most important symptoms and effects, both acute and delayed	
General information	Chemical burns must be treated by a physician.
Inhalation	Coughing, chest tightness, feeling of chest pressure.
Ingestion	May cause chemical burns in mouth and throat.
Skin contact	May cause serious chemical burns to the skin.
Eye contact	Causes serious eye damage.
4.3. Indication of any immediate medical attention and special treatment needed	
Notes for the doctor	Treat symptomatically.

SECTION 5: Firefighting measures

<u>5.1. Extinguishing media</u>	
Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire.
<u>5.2. Special hazards arising from the substance or mixture</u>	
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO ₂). Nitrous gases (NO _x). Phosphorus.
<u>5.3. Advice for firefighters</u>	
Protective actions during firefighting	No specific firefighting precautions known.

SECTION 6: Accidental release measures

<u>6.1. Personal precautions, protective equipment and emergency procedures</u>	
Personal precautions	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Take care as floors and other surfaces may become slippery. Do not touch or walk into spilled material. Avoid contact with skin, eyes and clothing. Avoid contact with contaminated tools and objects. Do not handle broken packages without protective equipment. Wash thoroughly after dealing with a spillage.
<u>6.2. Environmental precautions</u>	
Environmental precautions	Do not discharge into drains or watercourses or onto the ground.
<u>6.3. Methods and material for containment and cleaning up</u>	
Methods for cleaning up	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb spillage to prevent material damage. Absorb spillage with inert, damp, non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.
<u>6.4. Reference to other sections</u>	
Reference to other sections	Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

<u>7.1. Precautions for safe handling</u>	
Usage precautions	Wear protective clothing, gloves, eye and face protection. Avoid spilling. May be corrosive to metals. Avoid contact with skin, eyes and clothing. Avoid release to the environment. Do not reuse empty containers. Do not empty into drains. Do not eat, drink or smoke when using this product. Do not handle broken packages without protective equipment. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities	
Storage precautions	Store at temperatures between 4°C and 40°C.
Storage class	Corrosive 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	
sodium hydroxide	Short-term exposure limit (15-minute): WEL 2 mg/m ³
PROPANE-1,2-DIOL	Long-term exposure limit (8-hour TWA): WEL 150 ppm 474 mg/m ³ total vapour and particulates Long-term exposure limit (8-hour TWA): WEL 10 mg/m ³ particulate
ethanol	Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m ³ WEL = Workplace Exposure Limit
sodium hydroxide (CAS: 1310-73-2)	
DNEL	Industry - Inhalation; Short term local effects: 1 mg/m ³ Industry - Inhalation; Long term local effects: 1 mg/m ³ Consumer - Inhalation; Short term local effects: 1 mg/m ³
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate (CAS: 51981-21-6)	
DNEL	Workers - Inhalation; Long term systemic effects: 7.3 mg/m ³ Workers - Dermal; Long term systemic effects: 15,000 mg/kg/day General population - Inhalation; Long term systemic effects: 1.8 mg/m ³ General population - Dermal; Long term systemic effects: 7,500 mg/kg/day General population - Oral; Long term systemic effects: 1.5 mg/kg/day
Tetrasodium (1-hydroxyethylidene)bisphosphonic acid (CAS: 3794-83-0)	
DNEL	Workers - Inhalation; Long term systemic effects: 16.9 mg/m ³ Workers - Inhalation; Long term local effects: 10 mg/m ³ Workers - Dermal; Long term systemic effects: 48 mg/kg/day Consumer - Inhalation; Long term systemic effects: 4.2 mg/m ³ Consumer - Inhalation; Long term local effects: 10 mg/m ³ Consumer - Dermal; Long term systemic effects: 24 mg/kg/day Consumer - Oral; Long term systemic effects: 2.4 mg/kg/day
PNEC	Fresh water; 0.096 mg/l marine water; 0.00963 mg/l STP; 58 mg/l Sediment (Freshwater); 193 mg/kg Sediment (Marinewater); 19.3 mg/kg Soil; 14 mg/kg

Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides (CAS: 68424-85-1)	
DNEL	Industry - Dermal; Long term systemic effects: 5.7 mg/kg/day Industry - Inhalation; Long term systemic effects: 3.96 mg/m ³ Consumer - Oral; Long term systemic effects: 3.4 mg/kg/day Consumer - Dermal; Long term systemic effects: 3.4 mg/kg/day Consumer - Inhalation; Long term systemic effects: 1.64 mg/m ³
PNEC	Fresh water; .0009 mg/l marine water; .00096 mg/l Intermittent release; .00016 mg/l Sediment (Freshwater); 12.27 mg/kg Sediment (Marinewater); 13.09 mg/kg Soil; 7.0 mg/kg STP; 0.4 mg/l
PROPANE-1,2-DIOL (CAS: 57-55-6)	
DNEL	Industry - Inhalation; Long term systemic effects: 168 mg/m ³ Consumer - Inhalation; Long term systemic effects: 50 mg/m ³ Industry - Inhalation; Long term local effects: 10 mg/m ³ Consumer - Inhalation; Long term local effects: 10 mg/m ³
PNEC	Fresh water; 260 mg/l marine water; 26 mg/l STP; 20000 mg/l Sediment (Freshwater); 572 mg/kg Sediment (Marinewater); 57.2 mg/kg Soil; 50 mg/kg Intermittent release; 183 mg/l
Ethanol (CAS: 64-17-5)	
DNEL	Workers - Inhalation; Short term : 1900 mg/m ³ Workers - Dermal; Long term systemic effects: 343 mg/kg/day Workers - Inhalation; Long term : 950 mg/m ³ Consumer - Inhalation; Short term : 950 mg/m ³ Consumer - Dermal; Long term systemic effects: 206 mg/kg/day Consumer - Inhalation; Long term : 114 mg/m ³ Consumer - Oral; Long term systemic effects: 87 mg/kg/day
PNEC	Fresh water; 0.96 mg/l marine water; 0.79 mg/l Soil; 0.63 mg/kg STP; 580 mg/l Sediment (Freshwater); 3.6 mg/kg

8.2. Exposure controls

Protective equipment



Eye/face protection

Personal protective equipment for eye and face protection should comply with European Standard EN166. Wear tight-fitting, chemical splash goggles or face shield.

Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. 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. To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 4 hours. The breakthrough time for any glove material may be different for different glove manufacturers. When used with mixtures, the protection time of gloves cannot be accurately estimated. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Protective gloves should have a minimum thickness of 0.15 mm. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. The choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. Repeated exposure to chemicals will degrade the ability of the glove to provide resistance to chemicals. Specific work environments and material handling practices may vary, therefore safety procedures should be developed for each intended application. Gloves made from the following material may provide suitable chemical protection: Nitrile rubber. Rubber (natural, latex). Neoprene.
Other skin and body protection	Provide eyewash station.
Hygiene measures	Wash hands thoroughly after handling. Wash contaminated clothing before reuse.
Respiratory protection	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140. Gas and combination filter cartridges should comply with European Standard EN14387. Particulate filters should comply with European Standard EN143. Disposable filtering half mask respirators should comply with European Standard EN149 or EN405. Check that the respirator fits tightly and the filter is changed regularly. Wear a respirator fitted with the following cartridge: Particulate filter, type P2. Dust and mist filter.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties	
Appearance	Liquid
Colour	Pink Tinge
Odour	Mild
pH	pH (concentrated solution): >13.0
Relative density	1.1 @ 25°C

Solubility(ies)	Soluble in water.
9.1. Other information	
Other information	Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity	
Reactivity	Reactions with the following materials may generate heat: Acids.
10.2. Chemical stability	
Stability	Stable at normal ambient temperatures and when used as recommended.
10.3. Possibility of hazardous reactions	
Stability	Not determined.
10.4. Conditions to avoid	
Conditions to avoid	Avoid contact with acids.
10.5. Incompatible materials	
Materials to avoid	Strong acids.
10.6. Hazardous decomposition products	
Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO ₂). Nitrous gases (NO _x). Phosphorus.

SECTION 11: Toxicological information

11.1. Information on toxicological effects Acute toxicity - oral	
ATE oral (mg/kg)	29,466.04
Acute toxicity - dermal	
ATE dermal (mg/kg)	41,661.74
Acute toxicity - inhalation	
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met. Read-across data.
Skin corrosion/irritation	
Skin corrosion/irritation	Causes severe burns. Read-across data.
Serious eye damage/irritation	
Serious eye damage/irritation	Causes serious eye damage. Read-across data.
Respiratory sensitisation	
Respiratory sensitisation	Based on available data the classification criteria are not met. Read-across data.
Skin sensitisation	
Skin sensitisation	Based on available data the classification criteria are not met. Read-across data.
Germ cell mutagenicity	
Genotoxicity - in vitro	Does not contain any substances known to be mutagenic.
Carcinogenicity	
Carcinogenicity	Does not contain any substances known to be carcinogenic.
Reproductive toxicity	
Reproductive toxicity - fertility	Does not contain any substances known to be toxic to reproduction.
Specific target organ toxicity - single exposure	
STOT - single exposure	Based on available data the classification criteria are not met. Read-across data.
Specific target organ toxicity - repeated exposure	
STOT - repeated exposure	Based on available data the classification criteria are not met. Read-across data.
Aspiration hazard	
Aspiration hazard	Not anticipated to present an aspiration hazard, based on chemical structure.
Inhalation	Coughing, chest tightness, feeling of chest pressure.

Ingestion	May cause chemical burns in mouth, oesophagus and stomach.
Skin contact	May cause serious chemical burns to the skin.
Eye contact	Causes serious eye damage.
Acute and chronic health hazards	Causes severe burns.
Route of exposure	Dermal Ingestion
Target organs	Eyes Skin
Medical symptoms	Chemical burns.
<u>Toxicological information on ingredients.</u>	
<u>tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate</u>	
<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	2,001.0
Species	Rat
ATE oral (mg/kg)	2,001.0
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	2,001.0
Species	Rat
ATE dermal (mg/kg)	2,001.0
<u>Quaternary ammonium compounds, C12-14-alkyltrimethyl, Me sulfates</u>	
<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	570.0
Species	Rat
ATE oral (mg/kg)	570.0
<u>Acute toxicity – dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	528.0
Species	Rabbit
ATE dermal (mg/kg)	528.0
<u>Tetrasodium (1-hydroxyethylidene)bisphosphonic acid</u>	
<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	940.0
Species	Rat
ATE oral (mg/kg)	940.0
<u>Acute toxicity – dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	5,000.0
Species	Rabbit
ATE dermal (mg/kg)	5,000.0
<u>Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides</u>	
<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	397.5
Species	Rat
ATE oral (mg/kg)	397,5
<u>Acute toxicity – dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	3,412.0
Species	Rabbit
<u>PROPANE-1,2-DIOL</u>	
<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	20,0000.0
Species	Rat
ATE oral (mg/kg)	20,0000.0
<u>Acute toxicity – dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	2,001.0
Species	Rabbit
ATE oral (mg/kg)	317.0

SECTION 12: Ecological information


Ecotoxicity	Harmful to aquatic life with long lasting effects.
<u>12.1. Toxicity Acute aquatic toxicity</u>	
Acute toxicity - fish	Not determined.
<u>Ecological information on ingredients.</u>	
<u>sodium hydroxide</u>	
<u>Acute aquatic toxicity</u>	

Acute toxicity - fish	LC50, 48 hours: ~ 145 mg/l, Poecilia reticulata (Guppy)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: ~ 76 mg/l, Daphnia magna
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	
Acute toxicity - fish	LC50, 96 hours: ~ 100 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: > 100 mg/l, Daphnia magna
Quaternary ammonium compounds, C12-14-alkyltrimethyl, Me sulfates	
Acute aquatic toxicity LE(C)₅₀	0.01 < L(E)C50 ≤ 0.1
M factor (Acute)	10
Acute toxicity - fish	LC ₅₀ , 96 hours: 10 - 100 mg/l,
Chronic aquatic toxicity	
M factor (Chronic)	1
Tetrasodium (1-hydroxyethylidene)bisphosphonic acid	
Acute aquatic toxicity	
Acute toxicity - fish	LC ₅₀ , 96 hours: 278 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 754 mg/l, Daphnia magna
Chronic aquatic toxicity	
Chronic toxicity - aquatic invertebrates	NOEC, 28 days: 9.63 mg/l, Daphnia magna
Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides	
Acute aquatic toxicity	
LE(C)₅₀	0.01 < L(E)C50 ≤ 0.1
M factor (Acute)	10
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 0.03 mg/l mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 96 hours: ~ 0.06 mg/l, Selenastrum capricornutum
Chronic aquatic toxicity	
M factor (Chronic)	1
PROPANE-1,2-DIOL	
Acute aquatic toxicity	
Acute toxicity - fish	LC50, 96 hours: 40613 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: > 4000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 96 hours: 19000 mg/l, Selenastrum capricornutum
12.2. Persistence and degradability	
Persistence and degradability The product is expected to be biodegradable.	
12.3. Bioaccumulative potential	
Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
12.4. Mobility in soil	
Mobility	The product is soluble in water.
12.5. Results of PBT and vPvB assessment	
Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.
12.6. Other adverse effects	
Other adverse effects	Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods	
Disposal methods	Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

SECTION 14: Transport information

General	For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.	
Special Provisions note		
14.1. UN number		
UN No. (ADR/RID)	1760	
UN No. (IMDG)	1760	
UN No. (ICAO)	1760	
14.2. UN proper shipping name		
Proper shipping name (ADR/RID)	CORROSIVE LIQUID, N.O.S. (sodium hydroxide)	
Proper shipping name (IMDG)	CORROSIVE LIQUID, N.O.S. (sodium hydroxide)	
Proper shipping name (ICAO)	CORROSIVE LIQUID, N.O.S. (sodium hydroxide)	
14.3. Transport hazard class(es)		
ADR/RID class	8	
ADR/RID classification code	C9	
ADR/RID label	8	
IMDG class	8	
ICAO class/division	8	
Transport labels		
		
14.4. Packing group		
ADR/RID packing group	II	
IMDG packing group	II	
ICAO packing group	II	
14.5. Environmental hazards		
Environmentally hazardous substance/marine pollutant: No		
14.6. Special precautions for user		
EmS	F-A, S-B	
ADR transport category	2	
Emergency Action Code	2X	
Hazard Identification Number (ADR/RID)	80	
Tunnel restriction code	(E)	
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code		
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.	

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
UFI	UFI: 2910-G01R-900P-AAP4
National regulations	Control of Substances Hazardous to Health Regulations 2002 (as amended).
EU legislation	Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended). 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 (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015.
Guidance	Workplace Exposure Limits EH40.
15.2. Chemical safety assessment	
No chemical safety assessment has been carried out.	

SECTION 16: Other information	
Abbreviations and acronyms used in the safety data sheet	<p>ATE: Acute Toxicity Estimate. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. CAS: Chemical Abstracts Service. DNEL: Derived No Effect Level. EC₅₀: 50% of maximal Effective Concentration. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods. LC₅₀: Lethal Concentration to 50 % of a test population. LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose). PBT: Persistent, Bioaccumulative and Toxic substance. PNEC: Predicted No Effect Concentration. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. UN: United Nations. vPvB: Very Persistent and Very Bioaccumulative.</p>
Classification abbreviations and acronyms	<p>Acute Tox. = Acute toxicity Aquatic Acute = Hazardous to the aquatic environment (acute) Aquatic Chronic = Hazardous to the aquatic environment (chronic) Eye Dam. = Serious eye damage Eye Irrit. = Eye irritation Met. Corr. = Corrosive to metals Skin Corr. = Skin corrosion Skin Irrit. = Skin irritation</p>
Revision comments	N/A
Revision date	01/10/20
Revision	1.0
Supersedes date	N/A
Hazard statements in full	<p>H225 Highly flammable liquid and vapour. H290 May be corrosive to metals. H302 Harmful if swallowed. H311 Toxic in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.</p>

The information provided in this document is based on our present state of knowledge of the product and is given in good faith and to the best of our experience. However, it should not be construed as a technical specification or as guaranteeing specific properties, accuracy, reliability or completeness. In no event we will be responsible for damages or effects of any nature whatsoever, either express or implied, resulting from the use of this information. It is the own responsibility of the consignee and the user of the product to comply with all prevailing and applicable laws, regulations and directives. They should also make their own determination as to the suitability of the product for a particular use or application by carrying out a full risk assessment of their specific processes and systems of work. All information contained within this document is for the product in its undiluted state and 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.