SAFETY DATA SHEET ECLIPSE SUPER HARD SURFACE CLEANER

According to Regulation (EC) No. 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures.

SECTION 1: Identification of t	the substance/mixture and of the company/undertaking	
1.1. Product identifier		
Product name	ECLIPSE SUPER HARD SURFACE CLEANER	
1.2. Relevant identified uses of the substance or mixture and uses advised against		
Identified uses	Degreaser. For professional use only.	
Uses advised against	Not for direct contact with Food or Beverage stuffs. Not for oral consumption. Use of this product for cleaning by hand is not recommended. Must not be used where acid based chemicals are present.	
1.3. Details of the supplier of	the safety data sheet	
Supplier	Able Cleaning & Hygiene Supplies Blenheim House, 27-33 Threxton Road Industrial Estate, Watton, Norfolk, IP25 6NG 01953 885 661 info@ablecleaningandhygiene.com	
1.4. Emergency telephone nu	mber	
Emergency telephone	0845 180 0640 (24 Hours)	
SECTION 2: Hazards identified	cation	
2.1. Classification of the subs	tance or mixture	
Physical hazards	Met. Corr. 1 - H290	
Health hazards	Skin Corr. 1B - H314	
Environmental hazards	Not Classified	
2.2. Label elements Pictogram		
Signal word	Danger	
Hazard statements	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage.	
Precautionary statements	 P234 Keep only in original container. P280 Wear protective gloves/protective clothing/eye protection/face protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P313 Get medical advice/attention. P405 Store locked up. 	
Contains	SODIUM METASILICATE PENTAHYDRATE, ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT, C9-11 ALCOHOL ETHOXYLATE WITH 6.5M ETHYLENE OXIDE, ALKYL DIMETHYL AMINE OXIDE, 1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)- N,N-DIMETHYL-, N-C8-18 (EVEN NUMBERED) ACYL DERIVS., HYDROXIDES, INNER SALTS	

Detergent labelling	< 5% amphoteric surfactants,< 5% cationic surfactants,< 5% EDTA and salts thereof,< 5% non-ionic surfactants
Supplementary precautionary statements	P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P501 Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB. H290 Phrase relates to the neat product in particular reference to soft metals such as Aluminium. Use solutions are expected to be safe against stainless steels and Soft Metals.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

SODIUM METASILICATE PENTAHYDRATE		5-10%		
CAS number: 10213-79-3	EC number: 229-91	2-9		
Classification Met. Corr. 1 - H290 Skin Corr. 1B - H314 STOT SE 3 - H335 Eye Dam. 1 - H318		Classification (67/54 C; R34. Xi; R37	48/EEC or 1999/45/EC)	
ETHYLENEDIAMINETETRAACETIC AC SALT	CID TETRASODIUM			1-5%
CAS number: 64-02-8	EC number: 200-57	3-9	REACH registration number: 01- 2119486762-27	
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H332 Eye Dam. 1 - H318		Classification (67/54 Xn;R20,R22. Xi;R4	48/EEC or 1999/45/EC) 1.	
2-BUTOXYETHANOL CAS number: 111-76-2	EC number: 203-90	5-0	REACH registration number: 01- 2119475108-36	1-5%
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319		Classification (67/54 Xn;R20/21/22 Xi;R3	48/EEC or 1999/45/EC) 36/38	
C9-11 ALCOHOL ETHOXYLATE WITH OXIDE CAS number: 68439-46-3	6.5M ETHYLENE			1-5%
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318		Classification (67/5 4 Xn; R22. Xi; R41	48/EEC or 1999/45/EC)	

1-PROPANAMINIUM, 3-AMI N,N-DIMETHYL-, N-C8-18 (E DERIVS., HYDROXIDES, IN	EVEN NUMBERED) ACYL			1-5%
CAS number: —	EC number: 931-29	6-8	REACH registration number: 01- 2119488533-30-0000	
Classification Eye Dam. 1 - H318 Aquatic Chronic 3 - H412		Classification (67/5 Xi; R41. R52/53	48/EEC or 1999/45/EC)	
ALKYL DIMETHYL AMINE O	XIDE			1-5%
CAS number: 308062-28-4	EC number: 931-29	2-6	REACH registration number: 01- 2119490061-47	
M factor (Acute) = 1				
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411		Classification (67/5 Xn; R22. Xi; R38, F	48/EEC or 1999/45/EC) R41. N; R50/53	
ALKYL BENZYL DIMETHYL AMMONIUM CHLORIDE <1%				
CAS number: 68424-85-1 M factor (Acute) = 10	EC number: 270-32	5-2		
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400		Classification (67/5 Xn;R21/22. C;R34.	48/EEC or 1999/45/EC) N;R50.	
	and Harard Chatamanta and Dia	anleyed in Continue 40		
Composition comments	_	all of the substances	o. a used in this product are being supp D "May be Corrosive to Metals" refer	
SECTION 4: First aid measure	9S			
4.1. Description of first aid me	asures			
General information		-	<pre>/ from source of exposure. Howeve g the victim will cause further injury.</pre>	
Inhalation			tion. Provide rest, warmth and fresh redical attention if any discomfort	air. If
Ingestion	Do not induce vomiting. Rinse the recovery position and ensu		lace unconscious person on their signal end of the signal end of t	de in
Skin contact	-		the skin. Flush area with clean wate cal attention if any discomfort contin	

Eye contact	Remove any contact lenses and open eyelids wide apart. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes and get medical attention.	
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.	
4.2. Most important symptoms	and effects, both acute and delayed	
General information	Neat product may cause chemical burns and permanent eye damage. Dilute product may cause irritation to the skin and eyes.	
Inhalation	This product is corrosive. Inhalation of neat product is unlikely. However, inhalation of vapours from hot surfaces, or sprayed droplets may result in severe burns to the mouth, nose, GI tract and airways.	
Ingestion	Unlikely route of exposure without deliberate abuse. If neat chemical is ingested, chemical burning of mouth, throat and GI tract will occur. If dilute chemical is ingested, soreness of mouth, throat and GI tract may occur together with redness and blistering.	
Skin contact	Causes severe burns.	
Eye contact	May result in permanent eye damage.	
4.3. Indication of any immediat	e medical attention and special treatment needed	
Notes for the doctor	Rinse well with water to neutral pH.	
SECTION 5: Firefighting measure	ures	
5.1. Extinguishing media		
Suitable extinguishing media	This product will not support combustion and is not flammable. Use an extinguishing media suitable for surrounding materials.	
5.2. Special hazards arising fro	m the substance or mixture	
Specific hazards	The product is non-combustible. If heated, corrosive and toxic vapours/gases may be formed. In contact with some metals (Aluminium, Zinc and their Alloys) Hydrogen Gas is formed, which may form an explosive mixture with air. Note - Comment refers to neat product.	
5.3. Advice for firefighters		
Protective actions during firefighting	Protective clothing and respiratory protection should be worn when tackling fires involving this product. 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, prot	ective equipment and emergency procedures	
Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.	
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.	
6.3. Methods and material for containment and cleaning up		
Methods for cleaning up	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Stop leak if possible without risk. Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.	
6.4. Reference to other section	S	
Reference to other sections	See sections 8,12 & 13	

SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Usage precautions	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Refer to section 8.	
7.2. Conditions for safe storage	e, including any incompatibilities	
Storage precautions	Keep container tightly closed. Keep only in the original container in a cool, well-ventilated place. Store away from the following materials: Acids. Store below 40°C.	
7.3. Specific end use(s)		
Specific end use(s)	Degreaser. Refer to use instructions.	
Usage description	Use as instructed on the product information sheet.	
SECTION 8: Exposure Controls/personal protection		

8.1. Control parameters

Occupational exposure limits

2-BUTOXYETHANOL

Long-term exposure limit (8-hour TWA): WEL 25 ppm(Sk) Short-term exposure limit (15-minute): WEL 50 ppm(Sk)

WEL = Workplace Exposure Limit

Ingredient comments

Where an exposure level is quoted, a risk assessment should consider if there is a need to monitor the atmosphere of the working environment. Results should be compared against the WEL and/or DNEL information provided. The Long Term WEL refers to total exposure of a worker to a specific substance averaged out over an 8 hour period.

The Short Term WEL refers to a single exposure of a worker to a specific substance over a 15 minute period.

If the Short Term WEL is exceeded and no Long Term Limit is set, further exposure during the working shift is not permitted. Further controls should be implemented to ensure that future exposure to the substance is reduced below the levels set before the activity is repeated/continued. Where no Short Term WEL exists, guidance from the HSE is to use a value of three times the Long Term WEL.

The WEL limits are laid down in the EH40 list as supplied by the HSE. This is taken from the Chemical Agents Directive (98/24/EC). Where a worker is exposed to levels approaching a limit, further exposure control measures should be considered to reduce exposure to the substance. DNEL and/or PNEC information is supplied by manufacturers of substances in accordance with REACH legislation (Regulation (EC) No 1907/2006), and is used to provide suitable risk reduction measures to limit exposure of the user of the substance to a non hazardous level. If the measured level of exposure by a route divided by the DNEL for the route is greater than 1, then further exposure controls should be implemented as described in section 8.2. Where new information becomes available under REACH, this will be passed on as revisions to the Safety Data Sheet.

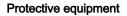
SODIUM METASILICATE PENTAHYDRATE (CAS: 10213-79-3)

DNEL	Workers - Inhalation; Long term systemic effects: 6.22 mg/m ³ Workers - Dermal; Long term systemic effects: 1.49 mg/kg bw/day Consumer - Oral; Long term systemic effects: 0.74 mg/kg bw/day Consumer - Inhalation; Long term systemic effects: 1.55 mg/m ³ Consumer - Dermal; Long term systemic effects: 0.74 mg/kg bw/day
PNEC	- Fresh water; 7.5 mg/l - Marine water; 1 mg/l - Intermittent release; 7.5 mg/l

ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT (CAS: 64-02-8)

DNEL	Professional - Inhalation; Short term local effects: 2.5 mg/m ³ Professional - Inhalation; Short term systemic effects: 2.5 mg/m ³ Professional - Inhalation; Long term local effects: 2.5 mg/m ³ Professional - Inhalation; Long term systemic effects: 2.5 mg/m ³
PNEC	 Intermittent release; 1.2 mg/l Marine water; 0.22 mg/l STP; 43 mg/kg Fresh water; 2.2 mg/l Soil; 0.72 mg/kg
	2-BUTOXYETHANOL (CAS: 111-76-2)
DNEL	Professional - Dermal; Acute systemic effects: 89 mg/kg bw/day Professional - Dermal; Long term systemic effects: 75 mg/kg bw/day Professional - Inhalation; Acute systemic effects: 246 mg/m ³ Professional - Inhalation; Long term systemic effects: 98 mg/m ³
PNEC	 Fresh water; 8.8 mg/l Sediment (Freshwater); 34.6 mg/l Sediment (Marinewater); 3.46 mg/kg Marine water; 0.88 mg/l STP; 463 mg/l Soil; 2.8 mg/kg
	ALKYL DIMETHYL AMINE OXIDE (CAS: 308062-28-4)
DNEL	Professional - Dermal; Long term systemic effects: 11 mg/kg/day Professional - Inhalation; Long term systemic effects: 15.5 mg/m3 8h Professional - Dermal; Long term local effects: 0.27 % General population - Dermal; Long term systemic effects: 5.5 mg/kg/day General population - Inhalation; Long term systemic effects: 3.8 mg/m ³ General population - Oral; Long term systemic effects: 0.44 mg/kg/day
PNEC	 Fresh water; 0.0335 mg/l Marine water; 0.00335 mg/l Intermittent release; 0.0335 mg/l Sediment (Freshwater); 1.02 mg/kg Sediment (Marinewater); 24 mg/kg Soil; 1.02 mg/kg STP; 24 mg/kg

8.2. Exposure controls







Appropriate engineering controls

As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

Personal protection	The PPE indicated above is not a COSHH assessment. It represents PPE that should be considered during the manufacture, distribution, use and final disposal stages of this product's life cycle. It is the responsibility of employers to conduct a COSHH/risk assessment to determine appropriate PPE levels. The information given below should be used to support this assessment. Where possible replace manual processes with automated or closed processes to minimise contact with the product.
Eye/face protection	Wear eye protection. Refer to EN Standard 166 to select appropriate level of protection.
Hand protection	Impervious Chemical Resistant Gloves of Butyl Rubber, PVC, Polychloroprene with a natural latex liner, all with a minimum material thickness 0.5mm and a breakthrough time of >480mins. Alternatively Nitrile Rubber, Fluorinated Rubber, both with a minimum thickness of 0.35 - 0.4mm and a breakthrough time of >480minutes. Refer to Standard EN 374.
Other skin and body protection	Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible. Reference to EN 13832 and EN 943 is useful when selecting footwear and clothing.
Hygiene measures	Promptly remove non-impervious clothing that has become contaminated, provided it is not adhered to the skin. Contaminated clothing and shoes must be discarded. Provide eyewash station and safety shower.
Respiratory protection	No specific recommendation made, but respiratory protection must be used if the general level exceeds the Workplace Exposure Limit. In the case of dust or aerosol formation (eg spraying), or vapour from hot vessels, use respiratory protection with an approved filter (P2).
Environmental exposure controls	Do not allow the substance to contaminate surface water/ground water. See points 6, 12 &13. Discharge of solutions into effluent systems (including municipal drains) or to surface water are expected to cause significant pH changes. Discharge of solutions should be carried out such that pH changes are minimised. Where necessary pH buffering measures should be adopted.
General Health and Safety Measures.	The above requirements refer to the neat chemical. In-use solutions may have a lower classification, however, a full risk assessment should be carried out before handling any chemical(s). Risk assessments should refer to COSHH and any other relevant legislation or industry specific guidelines governing the use of chemicals.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless to pale yellow.
Odour	Characteristic.
Odour threshold	Not applicable.
рН	pH (concentrated solution): >13
Melting point	Not applicable.
Initial boiling point and range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Evaporation factor	Not applicable.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not applicable.

Vapour density	Not applicable.	
Relative density	1.064 - 1.072 @ 20°C	
Bulk density	Not applicable.	
Solubility(ies)	Soluble in water.	
Partition coefficient	Not applicable.	
Auto-ignition temperature	Not applicable.	
Decomposition Temperature	Not applicable.	
Viscosity	Not determined.	
Explosive properties	Not applicable.	
Explosive under the influence of a flame	Not considered to be explosive.	
Oxidising properties	Does not meet the criteria for classification as oxidising.	
9.2. Other information		
Refractive index	Not applicable.	
Particle size	Not applicable.	
Molecular weight	Not applicable.	
Volatility	Not applicable.	
Saturation concentration	Not applicable.	
Critical temperature	Not applicable.	
Volatile organic compound	Not applicable.	
Explosive Properties	Not Classified as Explosive	
Storage Temperature Range	0 - 40°C	
SECTION 10: Stability and rea	ıctivity	
10.1. Reactivity		
Reactivity	Not expected to react when correctly stored and used. Mixing with other chemicals may produce unexpected reactions. The solution is strongly alkaline and reacts with strong acids with heat generation.	
10.2. Chemical stability		
Stability	Stable at normal ambient temperatures and when used as recommended See note 10.6.	
10.3. Possibility of hazardous reactions		
Possibility of hazardous reactions	Refer to section 10.1. Do not mix with acids, this will generate heat and give off corrosive vapours. Do not mix with Hypochlorite based chemicals, this could result in a dangerous heating of the solution.	
10.4. Conditions to avoid		
Conditions to avoid	Avoid excessive heat for prolonged periods of time.	
10.5. Incompatible materials		
Materials to avoid	Strong acids. Bleach. Reaction with Aluminium, Zinc, Tin, Copper or their alloys produces flammable Hydrogen Gas Note: reaction relates to neat product.	

10.6. Hazardous decomposition products

Hazardous decomposition No specific hazardous decomposition products noted. - See section 10.5. products

SECTION 11: Toxicological information		
11.1. Information on toxicological effects		
Acute toxicity - oral		
ATE oral (mg/kg)	72,222.22	
Acute toxicity - dermal		
ATE dermal (mg/kg)	61,111.11	
Acute toxicity - inhalation ATE inhalation (gases ppm)	250,000.0	
ATE inhalation (vapours mg/l)	611.11	
ATE inhalation (dusts/mists	83.33	
mg/l)		
General information	Toxic effect linked with corrosive properties. See section 4.2.	
Inhalation	Inhalation of sprayed droplets or vapours from hot surfaces may result in severe burns to the mouth, nose, GI tract and airways See section 4.2.	
Ingestion	Causes severe burns. May cause chemical burns in mouth, oesophagus and stomach.	
Skin contact	Causes severe burns.	
Eye contact	Risk of serious damage to eyes. May cause permanent eye injury.	
SECTION 12: Ecological Inform	mation	
Ecotoxicity	This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Normal use is unlikely to pose a risk to the environment.	
12.1. Toxicity		
Acute toxicity - fish	This mixture is not classified as toxic to aquatic organisms. Note:- pH values greater than 10.5 may be fatal to fish and other aquatic organisms, there may also be damage to aquatic plants. Normal use of the diluted product is not expected to pose any risk. See note 12.0	
12.2. Persistence and degrada	ability	
Persistence and degradability	This product consists mainly of inorganic components for which biodegradation assessment is not applicable. The product meets the requirements of the European Detergents Regulation 648/2004 as amended.	
12.3. Bioaccumulative potential		
Bioaccumulative potential	Not expected to bioaccumulate.	
Partition coefficient	Not applicable.	
12.4. Mobility in soil		
Mobility	The product contains substances which are water-soluble and may spread in water systems.	
12.5. Results of PBT and vPvE	3 assessment	
Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.	

Other adverse effects	Not determined.		
SECTION 13: Disposal considerations			
13.1. Waste treatment method			
General information	When handling waste, the safety precautions applying to handling of the product should be considered. Do not mix with other chemicals. 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 inform	nation		
14.1. UN number			
UN No. (ADR/RID)	3266		
UN No. (IMDG)	3266		
UN No. (ICAO)	3266		
UN No. (ADN)	3266		
14.2. UN proper shipping name	8		
Proper shipping name (ADR/RID)	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM METASILICATE PENTAHYDRATE)		
Proper shipping name (IMDG)	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM METASILICATE PENTAHYDRATE)		
Proper shipping name (ICAO)	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM METASILICATE PENTAHYDRATE)		
Proper shipping name (ADN)	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM METASILICATE PENTAHYDRATE)		
14.3. Transport hazard class(e	s)		
ADR/RID class	8		
ADR/RID classification code	C5		
ADR/RID label	8		
IMDG class	8		
ICAO class/division	8		
ADN class	8		
Transport labels			



14.4. Packing group	
ADR/RID packing group	II
IMDG packing group	II
ADN packing group	II
ICAO packing group	II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

14.6. Special precautions for u	Iser
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 accord	ing to Annex II of MARPOL73/78 and the IBC Code
SECTION 15: Regulatory infor	mation
15.1. Safety, health and enviro	onmental regulations/legislation specific for the substance or mixture
EU legislation	European Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures.
	This replaces Directive 67/548/EEC - Classification, Packaging and Labelling of Dangero

This replaces Directive 67/548/EEC - Classification, Packaging and Labelling of Dangerous Substances and Regulation (EC) No. 453/2010 relating to the Classification, Packaging and Labelling of Dangerous Preparations. Also considered is the REACH Regulation (EC) No.1907/2006.

15.2. Chemical safety assessment

SECTION 16: Other information		
Abbreviations and acronyms used in the safety data sheet	 (EC) No. 1272/2008 : EU Regulation on Classification, Labelling and Packaging of Substances and Mixtures. COSHH - Control of Substances Hazardous to Health. DNEL - Derived No Effect Limit. Industry - Refers in section 8 to application of the substance in an industrial process. NPIS - National Poisons Information Service. PBT - Persistent, Bioaccumulative & Toxic. Professional - Refers in section 8 to application/use of the preparation/product in a skilled trade premises. REACH - Registration, Evaluation, Authorisation & restriction of CHemicals (Regulation EC 1907/2006). vPvB - Very Persistent, Very bioaccumulative. 	
General information	Only trained personnel should use this material. This document is a Safety Data Sheet, NOT a CoSHH assessment. It is the customer's responsibility to conduct a full CoSHH assessment, taking into account the information held within this document along with other local factors considered in a risk assessment. The Risk and Hazard statements listed below are the full text of abbreviations used in this document. They are not the final classification, for this refer to section 2.	
Revision comments	Review in line with CLP Regulation.	
SDS number	23017	

Hazard statements in full	 H290 May be corrosive to metals. H302 Harmful if swallowed. H312 Harmful 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 damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
REACH extended MSDS comments	REACH requires that persons handling chemicals should take the necessary risk management measures, in accordance with assessments from manufacturers and importers of chemical substances. The relevent recommendations must be passed along the supply chain. These assessments are generally reported in Exposure Scenarios. Where Exposure Scenarios have been provided for substances used in this product, the relevent information is incorporated into the safety data sheet.

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.