SAFETY DATA SHEET
ACTIVE

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

1.1. Product identifier

Product name ACTIVE

Product number HLA28

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

Identified uses Disinfectant. For professional use only. Disinfectants must be used responsibly in line with manufacturer's instructions.

Uses advised against Not for direct contact with Food or Beverage stuffs. Not for oral consumption.

1.3. Details of the supplier of the safety data sheet

Supplier UK - Holchem Laboratories Ltd. Gateway House, Pilsworth Road,
Bury, BL9 8RD
Tel : +44 (0) 1706 222288; e-mail info@holchem.co.uk
EU - Kersia Deutschland GmbH, Marie-Curie-Straße 23
53332 Bornheim - Sechtem

1.4. Emergency telephone number

Emergency telephone Out of Office Hours Emergency Information:-
For accidents and spillages involving this product that pose a threat to the environment, or human health, or require immediate first aid advice call:- +44(0) 7050 265597.
Note:- This number will not accept order queries or calls dealing with equipment breakdowns.
This product is registered with the NPIS. UK Environment Agency 24hour Advisory Service 0800 807060. Irish Environmental Protection Agency 1890 335599 (This is a Lo Call Number)
This product is registered with the Irish National Poison Centre (NPIC at Beaumont Hospital - Dublin). The Poison Centre can be contacted between 8am and 10pm, telephone +00353 1 8092566.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Met. Corr. 1 - H290

Health hazards Skin Corr. 1A - H314 Eye Dam. 1 - H318 STOT RE 2 - H373

Environmental hazards Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

2.2. Label elements

Hazard pictograms

Signal word Danger

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Hazard statements	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H373 May cause damage to organs (Respiratory tract) through prolonged or repeated exposure. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P273 Avoid release to the environment. P280 Wear protective clothing, gloves, eye and face protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or 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. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P313 Get medical advice/ attention.
Contains	ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT, N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE, SODIUM ARYL SULPHONATE
Detergent labelling	15 - < 30% EDTA and salts thereof, < 5% amphoteric surfactants, < 5% anionic surfactants, < 5% non-ionic surfactants
Supplementary precautionary statements	P404 Store in a closed container. P501 Dispose of contents/ container in accordance with national regulations.
Labelling notes	This classification relates to the neat product only. Normal in use solutions are expected to have no Health Classifications.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB. Note: "H290 May Be Corrosive to Metals" relates to the concentrated product. Note: H373 Relates only to neat product as delivered, it does not apply to use solutions. This product is not volatile and not intended for consumption, through normal use H373 is not expected to be a risk, but should be considered as part of a COSHH assessment

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT **10 - <20%**

CAS number: 64-02-8 | EC number: 200-573-9 | REACH registration number: 01-2119486762-27

Classification
Met. Corr. 1 - H290
Acute Tox. 4 - H302
Acute Tox. 4 - H332
Eye Dam. 1 - H318
STOT RE 2 - H373

ACTIVE

N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE			**1-5%**
CAS number: 2372-82-9	EC number: 219-145-8	REACH registration number: 01-2119980592-29-XXXX	
M factor (Acute) = 10	M factor (Chronic) = 1		

Classification
Acute Tox. 3 - H301
Skin Corr. 1B - H314
Eye Dam. 1 - H318
STOT RE 2 - H373
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

SODIUM ARYL SULPHONATE			**1-5%**
CAS number: 1300-72-7	EC number: 215-090-9	REACH registration number: 01-2119513350-56-XXXX	

Classification
Eye Irrit. 2 - H319

ALCOHOL ETHOXYLATE			**<1%**
CAS number: 68131-39-5			
M factor (Acute) = 1			

Classification
Acute Tox. 4 - H302
Eye Dam. 1 - H318
Aquatic Acute 1 - H400
Aquatic Chronic 3 - H412

SODIUM HYDROXIDE			**<1%**
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-27	

Classification
Met. Corr. 1 - H290
Skin Corr. 1A - H314
Eye Dam. 1 - H318

The full text for all hazard statements is displayed in Section 16.

Composition comments To the best of our knowledge, all of the substances used in this product are being supported for the relevent application in REACH. The Biocidally Active components of this product are supported in the Biocidal Products Regulation.

SECTION 4: First aid measures

4.1. Description of first aid measures

ACTIVE

General information	For immediate First Aid advice in the UK, dial 111. When it is safe to do so, remove victim immediately from source of exposure. However, consideration should be given as to whether moving the victim will cause further injury.
Inhalation	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. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Place unconscious person on the side in the recovery position and ensure breathing can take place. Get medical attention.
Skin contact	Remove contaminated clothing that is not stuck to the skin. Flush area with clean water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
Eye contact	Remove any contact lenses and open eyelids wide apart. 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 will cause skin irritation and potentially permanent eye damage. Dilute product will result in less severe damage to the eyes, but contact should be treated as per neat chemical.
Inhalation	Unlikely route of exposure. Inhalation of sprayed droplets may result in soreness of the throat, mouth and nose.
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 some soreness of the mouth, throat and GI tract may occur.
Skin contact	Chemical burns are possible after prolonged contact. Use solutions may cause mild irritation, especially to open cuts and abrasions.
Eye contact	May result in permanent eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Contains Chelating Agents and Surfactants in Aqueous Solution. Rinse well with water to neutral pH.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is non-combustible. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Mixing with Hypochlorite based chemicals could result in a dangerous heating of the solution and evolution of Carbon Dioxide and Oxygen. Note - Comment refers to neat product. On heating irritating fumes may be formed.

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 measures

6.1. Personal precautions, protective equipment and emergency procedures

ACTIVE

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. Avoid or minimise the creation of any environmental contamination.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. Dike far ahead of larger spills for later disposal. 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. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

6.4. Reference to other sections

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. Read and follow manufacturer's recommendations.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep container tightly closed. Store in a demarcated bunded area to prevent release to drains and/or watercourses. Store in a cool and well-ventilated place. Store away from:- Acids. Chlorinated Detergents and Disinfectants. Store between - 5 and 35 Degrees C

7.3. Specific end use(s)

Specific end use(s) Disinfectant, refer to Product Information Sheet for full details.

Usage description This product is suitable for use in food preparation areas

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m³
WEL = Workplace Exposure Limit

Ingredient comments 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.

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

DNEL Professional - Inhalation; Long term systemic effects: 1.5 mg/m³

ACTIVE

PNEC

- Fresh water; 2.86 mg/l
- marine water; 0.286 mg/l
- Intermittent release; 1.56 mg/l
- Soil; 0.937 mg/kg, mg/kg dwt
- STP; 55.94 mg/kg

N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE (CAS: 2372-82-9)

DNEL

Professional - Inhalation; Long term systemic effects: 2.35 mg/m³

PNEC

- Fresh water; 0.001 mg/l
- marine water; 0.0001 mg/l
- Sediment (Freshwater); 8.5 mg/l
- Sediment (Marinewater); 0.85 mg/l
- Soil; 45.34 mg/l

SODIUM ARYL SULPHONATE (CAS: 1300-72-7)

DNEL

Workers - Dermal; Long term systemic effects: 136.25 mg/kg/day
Workers - Inhalation; Long term systemic effects: 26.9 mg/m³
Workers - Dermal; Long term local effects: 0.096 mg/cm²
General population - Inhalation; Long term systemic effects: 6.6 mg/m³
General population - Dermal; Long term systemic effects: 68.1 mg/kg
General population - Dermal; Long term local effects: 0.048 mg/cm²
General population - Oral; Long term systemic effects: 3.8 mg/kg/day

PNEC

- Fresh water; 0.23 mg/l
- marine water; 0.023 mg/l
- Intermittent release; 2.3 mg/l
- Sediment, Fresh water; 0.862 mg/kg
- Sediment, marine water; 0.0862 mg/kg
- Soil; 0.037 mg/kg
- STP; 100 mg/l

SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL

Industry - Inhalation; Long term local effects: 1.0 mg/m³
DNEL data for Professional users is not yet available, but it is assumed to be the same as for Industrial users.
Industry - Dermal; Short term local effects: 2%

PNEC

No information is available for PNEC data for Sodium Hydroxide

8.2. Exposure controls

Protective equipment

Appropriate engineering controls

If use of this product generates dust, mists, vapours or fumes, process enclosures or local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits quoted in this msds or other data sources.

ACTIVE

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	The following protection should be worn: Chemical splash goggles. Refer to EN Standard 166 to select appropriate level of protection.
Hand protection	Nitrile Rubber of at least 0.4mm coating thickness with a breakthrough time of >240min. Refer to Standard EN 374 and EN 16523
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. Provide eyewash station and safety shower.
Respiratory protection	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. We believe that the disinfectant active component(s) of this formulation represent the greatest environmental risk. Information on these are given in section 12. Users of this product should consult local drainage and permitting authorities to ensure that any restrictions or discharge consents are adhered to.
General Health and Safety Measures.	The above information relates to the neat product. Recommended use solutions will be unclassified for health hazards, but use of gloves and eye protection is advised.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	Clear liquid.
Colour	Colourless.
Odour	Detergent.
Odour threshold	Not applicable.
pH	pH (diluted solution): 11.0 - 11.5 @ 1%
Melting point	Not applicable.
Initial boiling point and range	Approximately 95 - 105 Degrees C at Atmospheric Pressure.
Flash point	Not applicable. Contains no Flammable Components
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.

ACTIVE

Vapour density	Not applicable.
Relative density	1.13 @ @ 20°C
Bulk density	Not applicable.
Solubility(ies)	Soluble in water.
Partition coefficient	Not applicable. Technically not feasible. Not technically practical for mixtures.
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. Not applicable. Contains no Oxidising Components.

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	- 5 to 35 Degree C

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Not expected to react when correctly stored and used. Mixing with other chemicals may produce unexpected reactions.

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 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	Do not mix with Hypochlorite based chemicals this could result in a hazardous reaction producing heat, CO2 and O2.

10.6. Hazardous decomposition products

ACTIVE

Hazardous decomposition products	Does not decompose when used and stored as recommended. - See section 10.5.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	4,092.77

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l)	9.87

Respiratory sensitisation

Respiratory sensitisation	No evidence of skin sensitisation for any component of this formulation.

Carcinogenicity

Carcinogenicity	The components of this formulation will not be systemically available in the body under normal conditions of handling. As a consequence it is not expected to cause cancer.

Reproductive toxicity

Reproductive toxicity - fertility	The components of this formulation will not be systemically available in the body under normal conditions of use and handling. As a consequence it is not expected to be toxic to the reproductive system or developing foetus.

General information	See section 4.2.
Inhalation	Unlikely route of exposure. Inhalation of sprayed droplets may result in soreness of the throat, mouth and nose. - See section 4.2.
Ingestion	Will cause severe irritation to mouth, throat and GI-Tract.
Skin contact	Neat product may cause reddening of skin and with prolonged contact burns. Prolonged or repeated contact of in use solutions with skin may cause redness, itching, irritation and eczema/chapping. Use solutions may cause mild irritation especially to open cuts and abrasions.
Eye contact	Risk of serious damage to eyes. May cause permanent eye injury.

SECTION 12: Ecological information

Ecotoxicity	This product is classified as very toxic to aquatic life, this refers to the neat product. Normal use is not expected to pose a risk.

12.1. Toxicity

Acute aquatic toxicity

ACTIVE

Acute toxicity - fish

To the best of our current knowledge, the main ecotoxicological impact from this product is due to N-(3-Aminopropy)-N-Dodecylpropane-1,3-Diamine, for which we have the following information:-

N-(3-Aminopropy)-N-Dodecylpropane-1,3-Diamine:-

The EC50(48hr) value for Daphnia magna is 0.073mg/l.
Tne NOEC(21d) value for Daphnia magna is 0.024mg/l.
The LC50(96hr) value for Rainbow Trout) is 0.68mg/l.
The ErC50(96hr) value for Green Algae is 0.054mg/l.
The toxicity to bacteria EC50(3hr) is 18mg/l activated sludge.
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 diluted product is unlikely to pose a risk.

12.2. Persistence and degradability

Persistence and degradability

The surfactant(s) used in this preparation complies (comply) with the biodegradability criteria as laid down in the European Detergents Regulation No 648/2004 as amended.

12.3. Bioaccumulative potential

Bioaccumulative potential

Not expected to bioaccumulate.

Partition coefficient

Not applicable. Technically not feasible. Not technically practical for mixtures.

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 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

General information

When handling waste, the safety precautions applying to handling of the product should be considered. Do not mix with other chemicals.

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

14.1. UN number

UN No. (ADR/RID) 1903

UN No. (IMDG) 1903

UN No. (ICAO) 1903

UN No. (ADN) 1903

14.2. UN proper shipping name

ACTIVE

Proper shipping name (ADR/RID)	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (CONTAINS ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT, N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE)
Proper shipping name (IMDG)	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (CONTAINS ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT, N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE, ALCOHOL ETHOXYLATE)
Proper shipping name (ICAO)	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (CONTAINS ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT, N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE)
Proper shipping name (ADN)	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (CONTAINS ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT, N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE)

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
ADN class	8

Transport labels

14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II
ADN packing group	II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

EmS	F-A, S-B
ADR transport category	1
Hazard Identification Number (ADR/RID)	88
Tunnel restriction code	(E)

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

ACTIVE

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

National regulations	UK Adoption and Implementation of the UN Globally Harmonised System (GHS) on Classification and Labelling of Chemicals (GB CLP) and considers UK National REACH legislation. Also UK Biocides Regulations.
EU legislation	European Regulation (EC) No 1272/2008 (as amended) on Classification, Labelling and Packaging of Substances and Mixtures. Also considered is the REACH Regulation (EC) No.1907/2006 (as amended). REGULATION (EU) No 528/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 22 May 2012 concerning the making available on the market and use of biocidal products. [BPR]

15.2. Chemical safety assessment

Pcs Information	A solution containing 4.5% wt/wt Triamine in aqueous solution. Authorisation holder Holchem Laboratories Ltd.
Pcs Number	PCS No:- 94464

No chemical safety assessment has been carried out.

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. NPIS - National Poisons Information Service. vPvB - Very Persistent, Very bioaccumulative. PBT - Persistent, Bioaccumulative & Toxic. REACH - Registration, Evaluation, Authorisation & restriction of CHemicals (Regulation EC 1907/2006). DNEL - Derived No Effect Limit. PNEC - Predicted No Effect Concentration. COSHH - Control of Substances Hazardous to Health. LC50 - Lethal Concentration 50 - The environmental contamination at which 50% mortality is reached over a fixed time scale. LD50 - Lethal Dose 50 - The dose at which 50% of the tested group will die. Industry - Refers in section 8 to application of the substance in an industrial process. Professional - Refers in section 8 to application/use of the preparation/product in a skilled trade premises.
General information	PCS No:- 94464 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 to align with UK and EU regulations Post Brexit No change to formulation
Revision date	18/11/2020

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Hazard statements in full	H290 May be corrosive to metals. H301 Toxic if swallowed. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H373 May cause damage to organs through prolonged or repeated exposure. H373 May cause damage to organs (Respiratory tract) through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. 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.
END OF SAFETY DATA SHEET	