

SAFETY DATA SHEET CPP H1 HEAVY DUTY CLEANER AND DEGREASER

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

1.1. Product identifier

Product name CPP H1 HEAVY DUTY CLEANER AND DEGREASER

Product number CPPH1

UFI UFI: VR7V-P8MT-E02H-UXNW

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

Identified uses Caustic Detergent. For professional use only.

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

hand.

1.3. Details of the supplier of the safety data sheet

Supplier Booker

Equity House, Irthlingborough Road

Wellingborough Northants. NN8 1LT 01933 371000

Makro

97 Kingsway, Dunmurry Belfast. BT17 9NS 01933 371000

Manufacturer Holchem Laboratories Limited.

Gateway House, Pilsworth Road, Pilsworth Industrial Estate, Bury, Lancashire (UK)

BL9 8RD.

+44 (0) 1706 222288 +44 (0) 1706 221550 info@holchem.co.uk

1.4. Emergency telephone number

Emergency telephoneOut 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 please call: - 0870 190 6777.

NOTE: This number will not provide technical details of the product, or deal with other general enquiries regarding application and use of the product. UK Environment Agency 24hour

Advisory Service 0800 807060. This product is registered with the NPIS.

National emergency telephone In case of a medical emergency following exposure to a chemical call NHS Direct 111. number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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Classification (SI 2019 No. 720)

Physical hazards Met. Corr. 1 - H290

Health hazards Skin Corr. 1C - H314 Eye Dam. 1 - H318

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



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 packaging.

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.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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.

Contains SODIUM HYDROXIDE, SODIUM ALKYL ETHER SULPHATE, ISO TRIDECANOL ALCOHOL

ETHOXYLATE

Detergent labelling 5 - < 15% EDTA and salts thereof, < 5% amphoteric surfactants, < 5% anionic surfactants, <

5% non-ionic surfactants, < 5% phosphonates

Supplementary precautionary P405 Store locked up.

statements 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. Note:- H290 May be Corrosive to Metals Classification relates to Soft Metals such as Aluminium and Copper, when used correctly this product is not expected to be corrosive to 304 and 316 Stainless Steel.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM

5-9.9%

SALT

CAS number: 64-02-8 EC number: 200-573-9

Classification

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

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SODIUM HYDROXIDE 1-5%

CAS number: 1310-73-2 EC number: 215-185-5

Classification

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

SODIUM ALKYL ETHER SULPHATE

1-5%

Classification

Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412

BETA-ALANINE, N-(2 CARBOXYETHYL)-N-DODECYL

1-5%

MONO SODIUM SALT

Classification

Eye Irrit. 2 - H319

ISO TRIDECANOL ALCOHOL ETHOXYLATE

1-5%

CAS number: 69011-36-5 EC number: 931-138-8

Classification

Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412

ETHANOL <1%

CAS number: 64-17-5 EC number: 200-578-6

Classification

Flam. Liq. 2 - H225

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.

SECTION 4: First aid measures

4.1. Description of first aid measures

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.

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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. Rinse immediately with plenty of

water. 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 Inhalation of neat product is unlikely. However, inhalation of mists or vapours of diluted

product may result in soreness, irritation or burns to the mouth, nose and respiratory tract.

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 May cause serious chemical burns to the skin.

Eye contact May result in permanent eye damage.

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

Notes for the doctor Rinse well with water to neutral pH. Contains Surfactants, Chelants and Sodium Hydroxide in

Aqueous solution.

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 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. Mixing with Hypochlorite based chemicals could result in a dangerous heating of the solution and

evolution of Carbon Dioxide and Oxygen.

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.

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

Special protective equipment for firefighters

clothing.

SECTION 6: Accidental release 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.

6.2. Environmental precautions

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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 Stop leak if possible without risk. 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 suitable protective equipment for prolonged exposure and/or high concentrations of

vapours, spray or mist. Read and follow manufacturer's recommendations.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep container tightly closed. Keep only in the original container in a cool, well-ventilated

place. Store between +5 and +40 Degrees C Store away from the following materials: Acids.

7.3. Specific end use(s)

Specific end use(s) Detergent, refer to use instructions.

Usage description This product is suitable for use in food preparation areas, but is not designed for direct food

contact.

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

ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³ vapour

WEL = Workplace Exposure Limit.

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Ingredient comments

As a requirement of REACH we have considered all of the components of this formulation. We believe that Sodium Hydroxide (NaOH) is the most hazardous component of this formulation. Sodium Hydroxide is not expected to be systemically available to the body under normal handling and use conditions, therefore systemic effects of Sodium Hydroxide after Dermal or Inhalation Exposure are not expected to occur. Based on data from our raw material suppliers, we understand that if the risk management measures outlined in section 8.2 are followed, the inhalation exposure is below the DNEL of 1mg/m3. 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. 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.

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

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

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

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

SODIUM ALKYL ETHER SULPHATE (CAS: 68891-38-3)

DNEL Professional - Dermal; Long term systemic effects: 2750 mg/kg/day

Professional - Inhalation; Long term systemic effects: 175 mg/m³
General population - Oral; Long term systemic effects: 15 mg/kg/day
General population - Dermal; Long term systemic effects: 1650 mg/kg/day
General population - Inhalation; Long term systemic effects: 52 mg/m³

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PNEC - Fresh water; 0.24 mg/l

- marine water; 0.024 mg/l - Intermittent release; 0.071 mg/l

Sediment (Freshwater); 5.45 mg/kgSediment (Marinewater); 0.545 mg/kg

Soil; 0.946 mg/kgSTP; 10 g/l

ETHANOL (CAS: 64-17-5)

DNEL Workers - Inhalation; Short term local effects: 1900 mg/m³

Workers - Dermal; Long term : 343 mg/kg Workers - Inhalation; Long term : 950 mg/m³

Consumer - Inhalation; Short term local effects: 950 mg/m3

Consumer - Dermal; Long term : 206 mg/kg Consumer - Inhalation; Long term : 114 mg/m³ Consumer - Oral; Long term : 87 mg/kg

PNEC - Fresh water; 0.96 mg/l

- marine water; 0.79 mg/l

- Sediment (Freshwater); 3.6 mg/kg

- Soil; 0.63 mg/kg

8.2. Exposure controls

Protective equipment







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 tight-fitting, chemical splash goggles or face shield. 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 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.

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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. 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 classification relates to neat product. A 5% use solution would not be classified according to the additive classification method. However, a 5% solution would still represent extreme pH and use of gloves and eye protection is recommended. 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

Clear liquid. **Appearance** Colour Colourless.

Odour No characteristic odour.

Odour threshold Not applicable.

pН pH (concentrated solution): >13 pH (diluted solution): 11.5 - 12.5 @ 1%

Melting point Less than 0 Degrees C

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

Viscosity

Not applicable.

Not applicable. Other flammability Vapour pressure Not applicable. Vapour density Not applicable.

Relative density 1.07 @ 20 Degrees C

Bulk density Not applicable. Soluble in water. Solubility(ies) Partition coefficient Not applicable. Auto-ignition temperature Not applicable. **Decomposition Temperature** Not applicable. Not determined.

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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

Saturation concentration

Refractive index Not applicable. Particle size Not applicable. Molecular weight Not applicable. Volatility Not applicable.

Not applicable. Critical temperature Not applicable.

Volatile organic compound Not applicable.

Explosive Properties Not Classified as Explosive

5 to + 40 Degrees C **Storage Temperature Range**

SECTION 10: Stability and reactivity

10.1. Reactivity

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

produce unexpected reactions. Reactions with the following materials may generate heat:

Strong acids.

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. Do not mix with acids, this will generate heat and give off

corrosive vapours.

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. Reaction with Aluminium, Zinc, Tin, Copper or their alloys produces flammable

Hydrogen Gas. Note:- Comment refers to neat product.

10.6. Hazardous decomposition products

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 - inhalation

ATE inhalation (dusts/mists

26.31578947

mg/l)

Respiratory sensitisation

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Respiratory sensitisationNo evidence of respiratory sensitisation for any component of this formulation.

Skin sensitisation

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

Carcinogenicity

Carcinogenicity The components of this formulation are corrosive to skin and the respiratory tract, but 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 are corrosive to the skin and respiratory tract, but 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 the developing

foetus.

General information Toxic effect linked with corrosive properties. 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 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 information

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.

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - fish This mixture is not classified as toxic to aquatic organisms.

Normal use of diluted product is unlikely to pose a risk.

See note 12.0.

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.

12.4. Mobility in soil

MobilityThe 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

This product does not contain any substances classified as PBT or vPvB.

assessment

12.6. Other adverse effects

Other adverse effects Not determined.

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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 methodsDispose of waste to licensed waste disposal site in accordance with the requirements of the

local Waste Disposal Authority. |

Consideration should be given to water authority effluent permits.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1824 UN No. (IMDG) 1824 UN No. (ICAO) 1824

14.2. UN proper shipping name

Proper shipping name

(ADR/RID)

SODIUM HYDROXIDE SOLUTION

Proper shipping name (IMDG) SODIUM HYDROXIDE SOLUTION

Proper shipping name (ICAO) SODIUM HYDROXIDE SOLUTION

Proper shipping name (ADN) SODIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es)

ADR/RID class 8

ADR/RID label 8

IMDG class 8

ICAO class/division 8

Transport labels



14.4. Packing group

ADR/RID packing group III
IMDG packing group III
ICAO packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-A, S-B

Hazard Identification Number 80

(ADR/RID)

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

Transport in bulk according to Not applicable.

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

Classification and Labelling of Chemical (GB CLP - SI 2020 No. 1567) and the adoption of UK

REACH (SI 2020 No. 1577)

EU legislation REACH Regulation (EU) No 2015/830 (which amends Regulation (EC) No 453/2010 &

1907/2006)

EU GHS: CLP - Regulation (EC) No 1272/2008 Classification, Labelling & Packaging of

Substances & Mixtures.

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

(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.

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 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 Formulation and SDS review with no change in classification Addition of Unique Formula

Identifier Code (UFI) Update to address in Section 1. Amendment to the emergency phone

number in Section 1.4. Update to regulation information - Section 15.

Revision date 18/05/2022

SDS number 23881

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Hazard statements in full H225 Highly flammable liquid and vapour.

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

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.

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

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.