

SAFETY DATA SHEET CPP H2 - DETERGENT DISINFECTANT

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

1.1. Product identifier

Product name CPP H2 - DETERGENT DISINFECTANT

Product number CPPH2

UFI: YUKC-94JG-6005-UT1T

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 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

CPP H2 - DETERGENT DISINFECTANT

Classification (SI 2019 No. 720)

Physical hazards Not Classified

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

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

2.2. Label elements

Hazard pictograms





Signal word Danger

Hazard statements H314 Causes severe skin burns and eye damage.

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.

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

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.

P308+P313 IF exposed or concerned: Get medical advice/ attention.

P501 Dispose of contents/ container in accordance with national regulations.

Contains ALKYL BENZYL DIMETHYL AMMONIUM CHLORIDE, ETHYLENEDIAMINETETRAACETIC

ACID TETRASODIUM SALT, ISO TRIDECANOL ALCOHOL ETHOXYLATE, DIDECYL

DIMETHYL AMMONIUM CHLORIDE

Detergent labelling 15 - < 30% cationic surfactants, 5 - < 15% EDTA and salts thereof, < 5% amphoteric

surfactants, < 5% non-ionic surfactants

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ALKYL BENZYL DIMETHYL AMMONIUM CHLORIDE

10-30%

CAS number: 68424-85-1 EC number: 270-325-2

M factor (Acute) = 10 M factor (Chronic) = 1

Classification

Met. Corr. 1 - H290 Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

CPP H2 - DETERGENT DISINFECTANT

ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM

5-10%

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

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

DIDECYL DIMETHYL AMMONIUM CHLORIDE

1-5%

CAS number: 7173-51-5 EC number: 230-525-2

M factor (Acute) = 10

Classification

Met. Corr. 1 - H290 Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

CITRIC ACID MONOHYDRATE

1-5%

CAS number: 5949-29-1 EC number: 201-069-1

Classification

Eye Irrit. 2 - H319

SODIUM HYDROXIDE

<1%

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

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.

CPP H2 - DETERGENT DISINFECTANT

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

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 may cause chemical burns and permanent eye damage. Dilute product may

cause irritation to the skin and eyes.

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 Causes severe skin burns and eye damage.

Eye contact May result in permanent eye damage.

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

Notes for the doctor Product contains surfactants and EDTA in an 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 On heating corrosive fumes may be produced.

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.

CPP H2 - DETERGENT DISINFECTANT

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

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.

7.3. Specific end use(s)

Specific end use(s) Detergent/Disinfectant - refer to use instructions

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.

CPP H2 - DETERGENT DISINFECTANT

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. 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/lIntermittent release; 1.56 mg/lSoil; 0.937 mg/kg, mg/kg dwt

- STP; 55.94 mg/kg

CITRIC ACID MONOHYDRATE (CAS: 5949-29-1)

PNEC - Fresh water; 0.44 mg/l

- marine water; 0.044 mg/l

- STP; >1000 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









CPP H2 - DETERGENT DISINFECTANT

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 This product is not expected to come into contact with eyes during normal usage. If a risk

assessment indicates eye contact is reasonable likely eye protection should be considered

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 protectionNo 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. 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.

Colour

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. We recommend use of gloves and eye protection for normal use of this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Blue

Appearance Liquid

Odour Surfactant

Odour threshold Not applicable.

pH 8 - 9 @ 20 Degrees C

Initial boiling point and range 95 - 110 degrees C

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.

CPP H2 - DETERGENT DISINFECTANT

Vapour pressure Not applicable.

Vapour density Not applicable.

Relative density ~ 1.04-1.06 @ 20 Degrees 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 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.

Not applicable.

9.2. Other information

Explosive properties

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 Degrees 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

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

CPP H2 - DETERGENT DISINFECTANT

Materials to avoid Strong acids. Do not mix with Hypochlorite based chemicals this could result in a hazardous

reaction producing heat, CO2 and O2.

10.6. Hazardous decomposition products

Hazardous decomposition

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

products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 2,734.95

Acute toxicity - dermal

ATE dermal (mg/kg) 6,000.0

Acute toxicity - inhalation

ATE inhalation (dusts/mists

19.74

mg/l)

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 Toxic to aquatic life with long lasting effects. Neat product is classified as Toxic to Aquatic Life

with Long Lasting Effects. Normal use does not pose a risk.

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - fish

To the best of our current knowledge, the main ecotoxicological effect is due to the Alky

Benzyl Dimethyl Ammonium Chloride, for which:-The EC50/48h value for Daphnia is 0.03mg/l.

The EC50/96h value for Selenastrum capricornutum is 0.06mg/l.

The LC50/96h value for Rainbow Trout is 1.7 mg/l.

Behaviour in sewage processing plants - EC20 / 0.5hr = 10mg/l (Activated Sludge).

12.2. Persistence and degradability

CPP H2 - DETERGENT DISINFECTANT

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

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

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 methodsDisposal 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

Proper shipping name DI

DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (CONTAINS ALKYL BENZYL DIMETHYL

(ADR/RID) AMMONIUM CHLORIDE, DIDECYL DIMETHYL AMMONIUM CHLORIDE)

Proper shipping name (IMDG) DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (CONTAINS ALKYL BENZYL DIMETHYL

AMMONIUM CHLORIDE, DIDECYL DIMETHYL AMMONIUM CHLORIDE)

Proper shipping name (ICAO) DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (CONTAINS ALKYL BENZYL DIMETHYL

AMMONIUM CHLORIDE, DIDECYL DIMETHYL AMMONIUM CHLORIDE)

Proper shipping name (ADN) DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (CONTAINS ALKYL BENZYL DIMETHYL

AMMONIUM CHLORIDE, DIDECYL DIMETHYL AMMONIUM CHLORIDE)

14.3. Transport hazard class(es)

ADR/RID class 8

ADR/RID classification code C9

ADR/RID label 8

IMDG class 8

CPP H2 - DETERGENT DISINFECTANT

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 III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS F-A, S-B

ADR transport category 2

Hazard Identification Number 80

(ADR/RID)

Tunnel restriction code (E)

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

CPP H2 - DETERGENT DISINFECTANT

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.

 $\ensuremath{\mathsf{LC50}}$ - 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

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 26214

Hazard statements in full

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.

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

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.