SAFETY DATA SHEET

CPP H31 WASHROOM CLEANER AND DISINFECTANT

According to Regulation (EU) No 453/2010

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: CPP H31 WASHROOM CLEANER AND DISINFECTANT
Product No.: CPPH31

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

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

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 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.
This product is registered with the NPIS. UK Environment Agency 24hour Advisory Service 0800 807060. Irish Environmental Protection Agency 1890 335599.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture


2.2. Label elements

Detergent Labelling:

< 5% amphoteric surfactants
    disinfectants
    non-ionic surfactants
    perfumes

Labelling:

Irritant

Dangerous for the environment

Risk Phrases:

R36 Irritating to eyes.
R50 Very toxic to aquatic organisms.
## Safety Phrases

- **S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- **S57** Use appropriate containment to avoid environmental contamination.
- **S60** This material and its container must be disposed of as hazardous waste.
- **S61** Avoid release to the environment. Refer to special instructions/safety data sheets.
- **S25** Avoid contact with eyes.

### 2.3. Other hazards

This product does not contain any PBT or vPvB substances.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS-No.</th>
<th>EC No.</th>
<th>Classification (EC 1272/2008)</th>
<th>Classification (67/548/EEC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAURYL BETAIN 1-5%</td>
<td>683-10-3</td>
<td>211-889-5</td>
<td>Skin Irrit. 2 - H315, Eye Dam. 1 - H318, Eye Irrit. 2 - H318</td>
<td>Xi;R36/38,R41.</td>
</tr>
<tr>
<td>ISO TRIDECANOL ALCOHOL ETHOXYLATE</td>
<td>69011-36-5</td>
<td>931-138-8</td>
<td>Eye Dam. 1 - H318</td>
<td>Xi;R41.</td>
</tr>
<tr>
<td>PROPAN-2-OL</td>
<td>67-63-0</td>
<td>200-861-7</td>
<td>Flam. Liq. 2 - H225, Eye Irrit. 2 - H319, STOT SE 3 - H336</td>
<td>F;R11 Xi;R36 R67</td>
</tr>
</tbody>
</table>
Product name: CPP H31 WASHROOM CLEANER AND DISINFECTANT

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

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information
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 victim immediately from source of exposure. Provide rest, warmth and fresh air. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.

Ingestion
DO NOT INDUCE VOMITING! Rinse mouth thoroughly. 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 adhered to the skin. Flush area with clean water. Continue to rinse for at least 15 minutes. Get medical attention.

Eye contact
Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

General information
Neat product may cause irritation to skin and eyes. Dilute chemical may result in mild irritation to skin. Contact of dilute chemical with eyes should still be treated as outlined above.

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, irritation of the mouth, throat and GI tract may occur. If dilute chemical is ingested some soreness of the mouth, throat and GI tract may occur.

Skin contact
Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping. Use solutions may cause mild irritation especially to open cuts and abrasions.
CPP H31 WASHROOM CLEANER AND DISINFECTANT

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

Notes to the physician
Contains a blend of Chelating agents, Surfactants and Cationic Biocides in aqueous solution. Rinse well with water.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media
The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards
No unusual fire or explosion hazards noted.
Specific hazards
The product is non-combustible. If heated, irritating vapours may be formed.

5.3. Advice for firefighters

Special Fire Fighting Procedures
Protective clothing and respiratory protection should be worn when tackling fires involving this product. Keep run-off water out of sewers and water sources. Dike for water control.

Protective equipment for fire-fighters
Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 8: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Do not allow ANY environmental contamination.

6.3. Methods and material for containment and 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 spillage in containers, seal securely and deliver for disposal according to local regulations. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

6.4. Reference to other sections

See sections 8, 12 & 13

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Wear full protective clothing for prolonged exposure and/or high concentrations. Read and follow manufacturer's recommendations. At normal use strengths it is expected that typical work clothing will provide adequate body protection, but users should avoid both breathing in and eye contact of sprayed droplets. Refer to section 8 for advice.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container. Store in a cool and well-ventilated place. Keep containers tightly closed. Keep above chemical's freezing (melting) point. Store in a demarcated bunded area to prevent release to drains and/or watercourses.

7.3. Specific end use(s)

Detergent/Disinfectant, refer to use instructions.

Usage Description
This product is not suitable for use in food preparation areas and is not suitable for direct food contact. Use as instructed on the product information sheet.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
CPP H31 WASHROOM CLEANER AND DISINFECTANT

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPAN-2-OL</td>
<td>WEL</td>
<td>400 ppm</td>
<td>999 mg/m³</td>
<td>500 ppm</td>
</tr>
</tbody>
</table>

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 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.

CITRIC ACID (CAS: 5949-29-1)

<table>
<thead>
<tr>
<th>PNEC</th>
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<tr>
<td>Freshwater</td>
<td>0.44</td>
<td>mg/l</td>
</tr>
<tr>
<td>Marinnerwater</td>
<td>0.044</td>
<td>mg/l</td>
</tr>
<tr>
<td>STP</td>
<td>&gt;1000</td>
<td>mg/l</td>
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*Alanine, N,N-bis(carboxymethyl)-, trisodium salt*

<table>
<thead>
<tr>
<th>DNEL</th>
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</thead>
<tbody>
<tr>
<td>Professional</td>
<td>Inhalation.</td>
<td>Short Term</td>
</tr>
<tr>
<td>Professional</td>
<td>Inhalation.</td>
<td>Short Term</td>
</tr>
<tr>
<td>Professional</td>
<td>Inhalation.</td>
<td>Long Term</td>
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</table>

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>Freshwater</td>
<td>2</td>
<td>mg/l</td>
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<tr>
<td>Marinnerwater</td>
<td>0.2</td>
<td>mg/l</td>
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<tr>
<td>Intermittent release</td>
<td>1</td>
<td>mg/l</td>
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<tr>
<td>STP</td>
<td>100</td>
<td>mg/l</td>
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<tr>
<td>Soil</td>
<td>2.5</td>
<td>mg/kg</td>
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</table>

ALKYL DI-METHYL AMINE OXIDE (CAS: 70592-80-2)

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<tr>
<td>Professional</td>
<td>Dermal</td>
<td>11</td>
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<tr>
<td>Professional</td>
<td>Inhalation.</td>
<td>15.5</td>
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</table>

<table>
<thead>
<tr>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshwater</td>
<td>0.0335</td>
<td>mg/l</td>
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<tr>
<td>Marinnerwater</td>
<td>0.00335</td>
<td>mg/l</td>
</tr>
<tr>
<td>Soil</td>
<td>1.02</td>
<td>mg/kg</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

Protective equipment

Process conditions

Where possible replace manual processes with automated or closed processes to minimise contact with the product.

Engineering measures

Provide adequate general and local exhaust ventilation.

Respiratory equipment

Ensure adequate ventilation, do not breath in spray or vapours.

Hand protection

Nitrile Rubber of at least 0.4mm coating thickness with a breakthrough time of >240min. Refer to Standard EN 374.
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Eye protection
Wear approved, tight fitting safety glasses where splashing is probable. Refer to EN Standard 166 to select appropriate level of protection.

Other Protection
Provide eyewash station. Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures
Promptly remove non-impervious clothing that has become contaminated, provided it is not adhered to the skin.

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 requirements refer to the neat product. Normal use solutions of this product are unclassified. However, a full COSHH assessment should still be conducted. We recommend use of gloves and eye protection.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Pink</td>
</tr>
<tr>
<td>Odour</td>
<td>Floral</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Melting point (°C)</td>
<td>Store Above 0 Degree C</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.01 @ 20 Degree C</td>
</tr>
<tr>
<td>pH-Value, Conc. Solution</td>
<td>9 - 10</td>
</tr>
<tr>
<td>pH-Value, Diluted Solution</td>
<td>8 - 9 @ 1%</td>
</tr>
<tr>
<td>Flash point (°C)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Partition Coefficient (N-Octanol/Water)</td>
<td>Technically not feasible.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not applicable</td>
</tr>
<tr>
<td></td>
<td>Contains no Oxidising Components.</td>
</tr>
</tbody>
</table>

9.2. Other information

Particle Size (Micron)
Not applicable.

Explosive Properties
Not Classified as Explosive

SECTION 10: STABILITY AND REACTIVITY

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

10.2. Chemical stability
Stable under normal temperature conditions and recommended use. - See note 10.6.

10.3. 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
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

None under normal conditions. - See section 10.5.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Respiratory or skin sensitisation:

Respiratory sensitisation
Not applicable.
No evidence of skin sensitisation for any component of this formulation.

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:
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.

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
Irritating to skin.

Eye contact
Irritating to eyes. Risk of serious damage to eyes. May cause permanent eye injury.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
This product is classified as Harmful to aquatic organisms. However, normal use is not expected to pose a risk.

12.1. Toxicity

Acute Fish Toxicity
Very toxic to aquatic organisms.
To the best of our current knowledge, the main ecotoxicological impact from this product is due to Didecyl Dimethyl Ammonium Chloride and N-(3-Aminopropy)-N-Dodecylpropane-1, 3-Diamine, for which we have the following information:-

Didecyl Dimethyl Ammonium Chloride:-
The EC(50)/48hr Value for Daphnia magna is 0.062mg/l.
The LC(50)/96hr for fathead minnow is 0.19mg/l.
Toxicity to bacteria in activated sewage sludge (EC50)/3hr = 11mg/l

N-(3-Aminopropy)-N-Dodecylpropane-1, 3-Diamine:-
The EC50(48hr) value for Daphnia magna is 0.073mg/l.
The 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.

Normal use of diluted product is unlikely to pose a risk. See note 12.0.

12.2. Persistence and degradability

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 ammended.

12.3. Bioaccumulative potential

Bioaccumulative potential
Not expected to Bioaccumulate.
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Partition coefficient
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
This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects
Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

General information
When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1. Waste treatment methods
Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number
UN No. (ADR/RID/ADN) 3082
UN No. (IMDG) 3082
UN No. (ICAO) 3082

14.2. UN proper shipping name
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIDECYL DIMETHYL AMMONIUM CHLORIDE, N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1, 3-DIAMINE)

14.3. Transport hazard class(es)
ADR/RID/ADN Class 9
ADR/RID/ADN Class Class 9: Miscellaneous dangerous substances and articles.
ADR Label No. 9
IMDG Class 9
ICAO Class/Division 9
Transport Labels

14.4. Packing group
ADR/RID/ADN Packing group III
IMDG Packing group III
ICAO Packing group III

14.5. Environmental hazards
Environmentally Hazardous Substance/Marine Pollutant
14.6. Special precautions for user

EMS F-A, S-F
Emergency Action Code •3Z
Hazard No. (ADR) 90
Tunnel Restriction Code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Legislation

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
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.
COSH - 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.
EC50 - Effective Concentration 50 - Concentration of a substance in water at which 50% of the maximum biological response is reached.
ErC50 means EC50 in terms of reduction of growth rate.

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
This is first issue.

Revision Date 16th Sept 2013
**CPP H31 WASHROOM CLEANER AND DISINFECTANT**

**Risk Phrases In Full**
- R34 Causes burns.
- R35 Causes severe burns.
- R22 Harmful if swallowed.
- R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
- R11 Highly flammable
- R36/38 Irritating to eyes and skin.
- R36 Irritating to eyes.
- R38 Irritating to skin.
- R43 May cause sensitisation by skin contact.
- R41 Risk of serious damage to eyes.
- R67 Vapours may cause drowsiness and dizziness.
- R50 Very toxic to aquatic organisms.

**Hazard Statements In Full**
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H412 Harmful to aquatic life with long lasting effects.
- H225 Highly flammable liquid and vapour.
- H290 May be corrosive to metals.
- H317 May cause an allergic skin reaction.
- H373 May cause damage to organs <<Organs>> through prolonged or repeated exposure.
- H336 May cause drowsiness or dizziness.
- H301 Toxic if swallowed.
- H400 Very toxic to aquatic life.

**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 relevant 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 relevant information is incorporated into the safety data sheet.