CLOVER CHEMICALS LTD
'Effective Cleaning Chemicals'

# SAFETY DATA SHEET

FRESHNIT



**Compilation date:** 01/01/2011

**Revision date:** 01/05/2015

**Revision No:** 7

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product name:** FRESHNIT

**Product code:** 898

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

**Use of substance / mixture:** PC8: Biocidal products (e.g. Disinfectants, pest control).

### 1.3. Details of the supplier of the safety data sheet

**Company name:** Clover Chemicals Ltd

Clover House

Macclesfield Road

Whaley Bridge, High Peak

Derbyshire

SK23 7DQ

UK

**Tel:** +44 (0) 1663 733114

**Fax:** +44 (0) 1663 733115

**Email:** technical@cloverchemicals.com

### 1.4. Emergency telephone number

**Emergency tel:** NHS 111

NHS Direct Wales 08454647

ROI 01 809 2166

(office hours only)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CLP:** Eye Dam. 1: H318; Aquatic Acute 1: H400; Skin Irrit. 2: H315

**Most important adverse effects:** Causes skin irritation. Causes serious eye damage. Very toxic to aquatic life.

### 2.2. Label elements

**Label elements:**

**Hazard statements:** H315: Causes skin irritation.

H318: Causes serious eye damage.

H400: Very toxic to aquatic life.

[cont...]

**Signal words:** Danger

**Hazard pictograms:** GHS05: Corrosion

GHS09: Environmental

**Precautionary statements:** P102: Keep out of reach of children.

P282: Wear eye protection.

P280: Wear protective gloves.

P264: Wash hands thoroughly after handling.

P302+352: IF ON SKIN: Wash with plenty of water/.

P333+313: If skin irritation or rash occurs: Get medical attention.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists: Get medical attention.

P273: Avoid release to the environment.

P363: Wash contaminated clothing before reuse.

### 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

**Hazardous ingredients:**

QUATERNARY AMMONIUM COMPOUNDS, BENZYL (C12-C16)ALKYL DIMETHYL CHLORIDES

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|---|---|---|---|---|
| 270-325-2 | 68424-85-1 | - | Met. Corr. 1: H290; Skin Corr. 1B: H314; Aquatic Acute 1: H400; Acute Tox. 4: H302 | 1-10% |

ISOTRIDECANOLETHOXYLATE,POLYMER(8 MOLE EO AVERAGE)

| | | | | |
|---|---|---|---|---|
| - | 69011-36-5 | - | Acute Tox. 4: H302; Eye Dam. 1: H318 | 1-10% |

ALCOHOLS, C12-C14, ETHOXYLATED

| | | | | |
|---|---|---|---|---|
| POLYMER | 68439-50-9 | - | Aquatic Acute 1: H400; Eye Dam. 1: H318 | <1% |

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

[cont...]

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

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

**Immediate / special treatment:** Not applicable.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Water.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Transfer to a suitable container.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Keep container tightly closed.

**Suitable packaging:** Polyethylene. Stainless steel.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

[cont...]

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Hand protection:** Gloves (oil-resistant).

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Red

**Odour:** Pleasant

**Evaporation rate:** Moderate

**Oxidising:** Not applicable.

**Solubility in water:** Soluble

**Viscosity:** Viscous

**Boiling point/range°C:** 100

**Melting point/range°C:** 0

**Flammability limits %: lower:** Not applicable.

**upper:** Not applicable.

**Part.coeff. n-octanol/water:** Not applicable.

**Autoflammability°C:** Not applicable.

**Vapour pressure:** Not applicable.

**Relative density:** 0.97 - 1.07

**pH:** 7

**VOC g/l:** 0

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

[cont...]

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

**QUATERNARY AMMONIUM COMPOUNDS, BENZYL (C12-C16)ALKYL DIMETHYL CHLORIDES**

| | | | | |
|---|---|---|---|---|
| ORAL | RAT | LD50 | 795 | mg/kg |

**ISOTRIDECANOLETHOXYLATE,POLYMER(8 MOLE EO AVERAGE)**

| | | | | |
|---|---|---|---|---|
| ORAL | RAT | LD50 | 500-2000 | mg/kg |

**ALCOHOLS, C12-C14, ETHOXYLATED**

| | | | | |
|---|---|---|---|---|
| ORL | RAT | LD50 | >5000 | mg/kg |

**Relevant hazards for substance:**

| Hazard | Route | Basis |
|---|---|---|
| Skin corrosion/irritation | DRM | Hazardous: calculated |
| Serious eye damage/irritation | OPT | Hazardous: calculated |

### Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

## Section 12: Ecological information

### 12.1. Toxicity

**Hazardous ingredients:**

**QUATERNARY AMMONIUM COMPOUNDS, BENZYL (C12-C16)ALKYL DIMETHYL CHLORIDES**

| | | | |
|---|---|---|---|
| Daphnia magna | 48H EC50 | .016 | mg/l |
| GREEN ALGA (Selenastrum capricornutum) | 72H ErC50 | .026 | mg/l |
| RAINBOW TROUT (Oncorhynchus mykiss) | 96H LC50 | .85 | mg/l |

[cont...]

**ISOTRIDECANOLETHOXYLATE,POLYMER(8 MOLE EO AVERAGE)**

| | | | |
|---|---|---|---|
| FISH | 96H LC50 | 1-10 | mg/l |

**ALCOHOLS, C12-C14, ETHOXYLATED**

| | | | |
|---|---|---|---|
| - | 48H EC50 | >1-<=10 | mg/l |
| - | 48H EC50 | >100 | mg/l |
| - | 96H LC50 | >1-<=10 | mg/l |
| - | 96H LC50 | >1-<=10 | mg/l |

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable. The surfactants contained in this preperation comply with the biodegradability criteria as laid down in regulation (EC) No.648/2004 on detergents.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Soluble in water.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal of packaging:** Dispose of as normal industrial waste.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

[cont...]

**Phrases used in s.2 and s.3:** 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.

H400: Very toxic to aquatic life.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.