

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

### 1.1. Product identifier

**Product name:** ULTRAFRESH

**Product code:** 808

### 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). PC28: Perfumes, fragrances.

### 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](mailto:technical@cloverchemicals.com)

### 1.4. Emergency telephone number

**Emergency tel:** NHS 111

NHS Direct Wales 08454647

ROI 01 809 2166

## 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.

**Hazard pictograms:** GHS05: Corrosion  
GHS09: Environmental

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**Signal words:** Danger

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

P280: Wear eye protection, protective gloves.

P264: Wash hands, forearms and face thoroughly after handling.

P302+P352: IF ON SKIN: Wash with plenty of water.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P273: Avoid release to the environment.

P362: Take off contaminated clothing.

## 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	-	Skin Corr. 1B: H314; Eye Dam. 1: H318; Aquatic Acute 1: H400; Acute Tox. 4: H302; Aquatic Chronic 1: H410	1-10%

ISOTRIDECANOLETHOXYLATE,POLYMER(8 MOLE EO AVERAGE)

-	69011-36-5	-	Acute Tox. 4: H302; Eye Dam. 1: H318	1-10%
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ALCOHOLS, C12-C14, ETHOXYLATED

POLYMER	68439-50-9	-	Aquatic Acute 1: H400; Eye Dam. 1: H318	<1%
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**Contains:** Quaternary ammonium compounds, benzyl (C12-C16) alkyl dimethyl, chlorides (2.40 %w/w)

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water. Transfer to hospital if there are burns or symptoms of poisoning.

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

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. Transfer to hospital as soon as possible.

[cont...]

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**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. 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:** No symptoms.

## 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. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

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

### 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.

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## 7.3. Specific end use(s)

Specific end use(s): No data available.

## 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.

Skin protection: Protective clothing.

## Section 9: Physical and chemical properties

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

State: Liquid

Colour: Green

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: Not applicable.

### 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.

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## 10.4. Conditions to avoid

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

ORAL	RAT	LD50	500-2000	mg/kg
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#### ALCOHOLS, C12-C14, ETHOXYLATED

ORL	RAT	LD50	>5000	mg/kg
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**Relevant hazards for product:**

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:** No symptoms.

## 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

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## ISOTRIDECANOLETHOXYLATE,POLYMER(8 MOLE EO AVERAGE)

FISH	96H LC50	1-10	mg/l
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## 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 preparation 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

**Other adverse effects:** Negligible ecotoxicity.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** . . . . .

**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

**Specific regulations:** REACH-1907/2006; REGULATION EU AMENDING REGULATION NR 1907/2006-REACH NR.453/2010; REGULATION (EC) NO 1272/2008 ON CLASSIFICATION, LABELING AND PACKAGING OF SUBSTANCES AND MIXTURES, AMENDING AND REPEALING DIRECTIVES 67/548/EEEC AND 1999/45/EC AND AMENDING REGULATION (EC) NR 1907/2006 HG NR 937/2010 ON CLASSIFICATION, PACKAGING AND LABELLING THE

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PLACING ON THE MARKET OF DANGEROUS PREPARATIONS; LAW NR 319/2006-  
SAFETY AND HEALTH LAW; GOVERNMENT DECISION 1408/2006 ON THE  
ESTABLISHMENT OF MINIMUM SAFETY AND HEALTH AT WORK TO ENSURE THE  
PROTECTION OF WORKERS FROM RISKS RELATED TO CHEMICAL AGENTS;  
10/368/11/2010 ORDER APPROVING THE PROCEDURE FOR APPROVAL OF BIOCIDAL  
PRODUCTS PLACED ON THE MARKET IN ROMANIA;

## 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 2015/830.

**Phrases used in s.2 and s.3:** 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.  
H410: Very toxic to aquatic life with long lasting effects.

**Legend to abbreviations:** PNEC = predicted no effect concentration

DNEL = derived no effect level

LD50 = median lethal dose

LC50 = median lethal concentration

LDLO = lethal dose low

EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig

RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

[cont...]

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IPR = intraperitoneal

SCU = subcutaneous

ORL = oral

SKN = skin

DRM = dermal

OCC = ocular/corneal

OPT = optical

ING = ingestion

INH = inhalation

PCP = physico-chemical properties

**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.