

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

### 1.1. Product identifier

**Product name:** CLOVER BREEZE CARNATION

**Product code:** 806

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

**Use of substance / mixture:** 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

### 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 Irrit. 2: H319; -: EUH208

**Most important adverse effects:** Contains paratertiarybutycyclohexyl acetate, 3,7-dimethyl-octen-6-ol-1, amyl cinnamic aldehyde. May produce an allergic reaction. Causes serious eye irritation.

### 2.2. Label elements

**Label elements:**

**Hazard statements:** EUH208: Contains paratertiarybutycyclohexyl acetate, 3,7-dimethyl-octen-6-ol-1, amyl cinnamic aldehyde. May produce an allergic reaction.

H319: Causes serious eye irritation.

[cont...]

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**Signal words:** Warning

**Hazard pictograms:** GHS07: Exclamation mark



**Precautionary statements:** P264: Wash hands thoroughly after handling.  
P280: Wear eye protection.  
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.

### 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:

##### 2-(2-BUTOXYETHOXY)ETHANOL

EINECS	CAS	PBT / WEL	CLP Classification	Percent
203-961-6	112-34-5	-	Eye Irrit. 2: H319	1-10%

##### 2-PHENOXYETHANOL

204-589-7	122-99-6	-	Acute Tox. 4: H302; Eye Irrit. 2: H319	1-10%
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##### QUATERNARY AMMONIUM COMPOUNDS, BENZYL (C12-C16)ALKYL DIMETHYL CHLORIDES

270-325-2	68424-85-1	-	Met. Corr. 1: H290; Skin Corr. 1B: H314; Aquatic Acute 1: H400; Acute Tox. 4: H302	<1%
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##### AMYL CINNAMIC ALDEHYDE

800-696-6	78805-96-6	-	Skin Sens. 1: H317; Aquatic Chronic 2: H411	<1%
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##### PARATERTIARYBUTYCYCLOHEXYL ACETATE

250-954-9	32210-23-4	-	Skin Sens. 1: H317	<1%
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##### 3,7-DIMETHYL-OCTEN-6-OL-1

203-375-0	106-22-9	-	Skin Sens. 1: H317; Skin Irrit. 2: H315; Eye Irrit. 2: H319	<1%
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[cont...]

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2-BROMO-2-NITROPROPANE-1,3-DIOL

200-143-0	52-51-7	-	Acute Tox. 4: H312; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Irrit. 2: H315; STOT SE 3: H335; Acute Tox. 4: H302	<1%
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#### 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:** Do not induce vomiting. Wash out mouth with water. If conscious, give half a litre of water to drink immediately. 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 soreness and redness of the mouth and throat.

**Inhalation:** No symptoms.

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

#### 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:** 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.

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**6.4. Reference to other sections**

**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.

**7.3. Specific end use(s)**

**Section 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Hazardous ingredients:**

**2-(2-BUTOXYETHOXY)ETHANOL**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	67.5 mg/m3	101.2 mg/m3	-	-

**2-PHENOXYETHANOL**

UK	110 mg/m3	110 mg/m3	-	-
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**DNEL/PNEC Values**

**DNEL / PNEC** No data available.

**8.2. Exposure controls**

**Hand protection:** Gloves (solvent-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:** Not applicable.

**Oxidising:** Not applicable.

**Solubility in water:** Soluble

**Viscosity:** Non-viscous

**Boiling point/range°C:** 100

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

**Flash point°C:** >93

**Autoflammability°C:** Not applicable.

**Melting point/range°C:** 0

**upper:** Not applicable.

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

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Relative density: 1.009

Vapour pressure: Not applicable.

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.

**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:

**2-(2-BUTOXYETHOXY)ETHANOL**

ORL	MUS	LD50	6050	mg/kg
ORL	RAT	LD50	4500	mg/kg

**2-PHENOXYETHANOL**

ORL	MUS	LD50	933	mg/kg
ORL	RAT	LD50	1260	mg/kg
SKN	RAT	LD50	14422	mg/kg

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

ORAL	RAT	LD50	795	mg/kg
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**Relevant hazards for substance:**

Hazard	Route	Basis
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 soreness and redness of the mouth and 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

**12.2. Persistence and degradability**

**Persistence and degradability:** Biodegradable.

**12.3. Bioaccumulative 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**

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

**15.2. Chemical Safety Assessment**

**Section 16: Other information**

**Other information**

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

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

H290: May be corrosive to metals.

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H400: Very toxic to aquatic life.

H411: Toxic to aquatic life with long lasting effects.

**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.