

SAFETY DATA SHEET

CLOVER ECO 330

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Compilation date: 15/11/2012

Revision date: 17/03/2015

Revision No: 2

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

1.1. Product identifier

Product name: CLOVER ECO 330

Product code: 330

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

Use of substance / mixture: PC35: Washing and cleaning products (including solvent based products).

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 Direct 08454647

NHS24 0845242424

ROI 018092166

(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Dam. 1: H318

Most important adverse effects: Causes serious eye damage.

2.2. Label elements

Label elements:

Hazard statements: H318: Causes serious eye damage.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion

[cont...]

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Precautionary statements: P102: Keep out of reach of children.
P282: Wear eye protection.
P280: Wear protective gloves.
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:

C9/11 A, >3-6 EO PREDOMINANTLY LINEAR (DID 21)

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|---------|-------------|-----------|--------------------|---------|
| POLYMER | 160875-66-1 | - | Eye Dam. 1: H318 | 1-10% |

C8 ALKYL GLUCOSIDE

| | | | | |
|-----------|-------------|---|------------------|-------|
| 414-420-0 | 108081-06-7 | - | Eye Dam. 1: H318 | 1-10% |
|-----------|-------------|---|------------------|-------|

3 - BUTOXYPROPAN - 2 - OL

| | | | | |
|-----------|-------------|---|---|-------|
| 225-878-4 | 005131-66-8 | - | Skin Irrit. 2: H315; Eye Irrit. 2: H319 | 1-10% |
|-----------|-------------|---|---|-------|

C 12/15 (MEAN VALUE C<14)A.>6-9 EO (DID 28)

| | | | | |
|---------|-----------|---|--------------------------------------|-------|
| POLYMER | 9043-30-5 | - | Eye Dam. 1: H318; Acute Tox. 4: H302 | 1-10% |
|---------|-----------|---|--------------------------------------|-------|

COCAMIDOPROPYL BETAINE

| | | | | |
|-----------|------------|---|------------------|-------|
| 263-058-8 | 61789-40-0 | - | Eye Dam. 1: H318 | 1-10% |
|-----------|------------|---|------------------|-------|

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Do not induce vomiting. Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Consult a doctor.

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.

[cont...]

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Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and 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

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: 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

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Not applicable.

Suitable packaging: Polyethylene. Stainless steel.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

[cont...]

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DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required.

Hand protection: Gloves (alkali-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: Yellow-brown

Odour: Characteristic odour

Evaporation rate: Moderate

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

Viscosity: Non-viscous

Boiling point/range°C: 100

Flammability limits %: lower: Not applicable.

Flash point°C: Not applicable.

Autoflammability°C: Not applicable.

Relative density: 1.034

VOC g/l: 80

Melting point/range°C: 0

upper: Not applicable.

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

Vapour pressure: Not applicable.

pH: 11.4

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

[cont...]

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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:

C9/11 A, >3-6 EO PREDOMINANTLY LINEAR (DID 21)

| | | | | |
|-----|-----|------|-------|-------|
| ORL | RAT | LD50 | >2000 | mg/kg |
|-----|-----|------|-------|-------|

3 - BUTOXYPROPAN - 2 - OL

| | | | | |
|------|-----|------|------|-------|
| ORAL | RAT | LD50 | 2700 | mg/kg |
|------|-----|------|------|-------|

C 12/15 (MEAN VALUE C<14)A.>6-9 EO (DID 28)

| | | | | |
|-----|-----|------|-----|------|
| ORL | RAT | LD50 | 1.5 | g/kg |
|-----|-----|------|-----|------|

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

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

C9/11 A, >3-6 EO PREDOMINANTLY LINEAR (DID 21)

| | | | |
|-------------|----------|----------|------|
| Scenedesmus | 48H EC50 | 10 - 100 | mg/l |
|-------------|----------|----------|------|

3 - BUTOXYPROPAN - 2 - OL

| | | | |
|---------|----------|----------|------|
| - | 48H EC50 | >1000 | mg/l |
| GUPPIES | 96H LC50 | 560-1000 | mg/l |

[cont...]

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C 12/15 (MEAN VALUE C<14)A.>6-9 EO (DID 28)

| | | | |
|---|----------|----|------|
| - | 96H LC50 | >1 | mg/l |
|---|----------|----|------|

12.2. Persistence and degradability

Persistence and degradability: Readily 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

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

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: H302: Harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

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.

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