

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

1.1. Product identifier

Product name: FINITO

Product code: 420

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; Skin Irrit. 2: H315

Most important adverse effects: Causes skin irritation. Causes serious eye damage.

2.2. Label elements

Label elements:

Hazard statements: H315: Causes skin irritation.

H318: Causes serious eye damage.

Signal words: Danger

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Hazard pictograms: GHS05: Corrosion



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/.
P332+313: If skin irritation 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.

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:

ISOTRIDECANOLETHOXYLATE,POLYMER(8 MOLE EO AVERAGE)

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|--------|------------|-----------|--------------------------------------|---------|
| - | 69011-36-5 | - | Acute Tox. 4: H302; 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% |
|-----------|-------------|---|---|-------|

2-(2-BUTOXYETHOXY)ETHANOL

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|-----------|----------|---|--------------------|-------|
| 203-961-6 | 112-34-5 | - | Eye Irrit. 2: H319 | 1-10% |
|-----------|----------|---|--------------------|-------|

2-AMINOETHANOL

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|-----------|----------|---|--|-------|
| 205-483-3 | 141-43-5 | - | Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314 | 1-10% |
|-----------|----------|---|--|-------|

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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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. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water. Do not induce vomiting. 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.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

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

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

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.

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6.2. Environmental precautions

Environmental precautions: 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: Stainless steel. Polyethylene. Glass.

7.3. Specific end use(s)

Specific end use(s): No data available.

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/m ³ | 101.2 mg/m ³ | - | - |

2-AMINOETHANOL

| | | | | |
|----|-----------------------|----------------------|---|---|
| UK | 7.6 mg/m ³ | 15 mg/m ³ | - | - |
|----|-----------------------|----------------------|---|---|

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

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: Colourless

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Odour: Characteristic odour

Evaporation rate: Not applicable.

Oxidising: Not applicable.

Solubility in water: Soluble

Viscosity: Non-viscous

Boiling point/range°C: 100

Melting point/range°C: 0

Flammability limits %: lower: Not applicable.

upper: Not applicable.

Flash point°C: Not applicable.

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

Autoflammability°C: Not applicable.

Vapour pressure: Not applicable.

Relative density: 0.98 - 1.08

pH: 11.4

VOC g/l: 55

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:

ISOTRIDECANOLETHOXYLATE,POLYMER(8 MOLE EO AVERAGE)

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

3 - BUTOXYPROPAN - 2 - OL

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

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2-(2-BUTOXYETHOXY)ETHANOL

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

2-AMINOETHANOL

| | | | | |
|-----|-----|------|------|-------|
| IVN | RAT | LD50 | 225 | mg/kg |
| ORL | MUS | LD50 | 700 | mg/kg |
| ORL | RAT | LD50 | 1720 | mg/kg |
| SCU | RAT | LD50 | 1500 | mg/kg |

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

| | | | | |
|------|-----|------|-----|-------|
| ORAL | RAT | LD50 | 795 | 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 irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain.
The vision may become blurred.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

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

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

ISOTRIDECANOLETHOXYLATE,POLYMER(8 MOLE EO AVERAGE)

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

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3 - BUTOXYPROPAN - 2 - OL

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

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 |

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 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

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.

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

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

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.