



SAFETY DATA SHEET

CONDENCIDE {FROM BATCH NO. 0088200}

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Compilation date: 07/09/2016

Revision date: 24/02/2017

Revision No: 1.1

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

1.1. Product identifier

Product name: CONDENCIDE {FROM BATCH NO. 0088200}

Product code: 008

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

Use of substance / mixture: Air Conditioning Evaporator cleaner with disinfectant PC8: Biocidal products (e.g. Disinfectants, pest control).

1.3. Details of the supplier of the safety data sheet

Company name: Advanced Engineering Ltd

Guardian House

Stroudley Road

Basingstoke

Hampshire

RG24 8NL

United Kingdom

Tel: +44(0)1256460300

Fax: +44(0)1256462266

Email: sales@advancedengineering.co.uk

1.4. Emergency telephone number

Emergency tel: Advanced Engineering Ltd (24hr) +44 (0) 1256 854318

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Skin Corr. 1B: H314

Most important adverse effects: Causes severe skin burns and eye damage.

2.2. Label elements

Label elements:

Hazard statements: H314: Causes severe skin burns and eye damage.

Hazard pictograms: GHS05: Corrosion



Signal words: Danger

Precautionary statements: P261: Avoid breathing spray.

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P262: Do not get in eyes, on skin, or on clothing.

P280: Wear protective gloves / protective clothing / eye protection / face protection.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

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:

DIDECYLDIMETHYLAMMONIUM CHLORIDE

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|-----------|-----------|-----------|---|---------|
| 230-525-2 | 7173-51-5 | - | Acute Tox. 4: H302; Skin Corr. 1B: H314 | 1-10% |

2-AMINOETHANOL

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

NON-IONIC SURFACTANT:

| | | | | |
|---|------------|---|---------------------------------------|-------|
| - | 68991-48-0 | - | Skin Irrit. 2: H315; Eye Dam. 1: H318 | 1-10% |
|---|------------|---|---------------------------------------|-------|

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| | | | | |
|-----------|---------|---|---|-------|
| 200-661-7 | 67-63-0 | - | Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336 | 1-10% |
|-----------|---------|---|---|-------|

AMINES, C12-18 (EVEN NUMBERED) - ALKYL DIMETHYL, N-OXIDES - REACH registered number(s): 01-2119489396-21-0002

| | | | | |
|-----------|---|---|---|-----|
| 931-341-1 | - | - | Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 2: H411 | <1% |
|-----------|---|---|---|-----|

QUATERNARY ALKYL METHYL AMINE ETHOXYLATE METHYL CHLORIDE

| | | | | |
|---|---|---|--|-----|
| - | - | - | Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Acute 1: H400 | <1% |
|---|---|---|--|-----|

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AMINES, TALLOW ALKYL, ETHOXYLATED

| | | | | |
|---|------------|---|---|-----|
| - | 61791-26-2 | - | Acute Tox. 4: H302+312+332; Skin Corr. 1B: H314; Aquatic Acute 1: H400 | <1% |
|---|------------|---|---|-----|

Non-classified ingredients:

TRISODIUM NITRILOTRIACETATE

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|-----------|-----------|-----------|--|---------|
| 225-768-6 | 5064-31-3 | - | Carc. 2: H351; Acute Tox. 4: H302; Eye Irrit. 2: H319 | <1% |

Section 4: First aid measures

4.1. Description of first aid measures

- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
- 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. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.
- Inhalation:** * Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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. The vision may become blurred. May cause permanent damage.
- 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. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after long-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.

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Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Corrosive. In combustion emits toxic fumes.

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: Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid. Remove all incompatible materials as outlined in section 10 of SDS. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

6.2. Environmental precautions

Environmental precautions: * In bulk packaged form, do not discard into Drains, Sewers or surface water courses. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): Air Conditioning Evaporator cleaner with disinfectant PC8: Biocidal products (e.g. Disinfectants, pest control).

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Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

2-AMINOETHANOL

Workplace exposure limits:

Respirable dust

| State | 8 hour TWA | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|-------|-----------------------|-----------------------|------------|--------------|
| UK | 2.5 mg/m ³ | 7.6 mg/m ³ | - | - |

PROPAN-2-OL

| | | | | |
|----|-----------------------|------------------------|---|---|
| UK | 999 mg/m ³ | 1250 mg/m ³ | - | - |
|----|-----------------------|------------------------|---|---|

DNEL/PNEC Values

Hazardous ingredients:

AMINES, C12-18 (EVEN NUMBERED) - ALKYL DIMETHYL, N-OXIDES

| Type | Exposure | Value | Population | Effect |
|------|------------------------------------|--------------------------|------------|----------|
| DNEL | Dermal | 11 mg/kg bw/day | Workers | Systemic |
| DNEL | Inhalation | 15.5 mg/m ³ | Workers | Systemic |
| DNEL | Dermal | 5.5 mg/kg bw/day | Consumers | Systemic |
| DNEL | Inhalation | 3.8 mg/m ³ | Consumers | Systemic |
| DNEL | Oral | 0.44 mg/kg bw/day | Consumers | Systemic |
| DNEL | Dermal | 0.045 mg/cm ² | Workers | Local |
| DNEL | Dermal | 0.045 mg/cm ² | Consumers | Local |
| PNEC | Fresh water | 0.0335 mg/l | - | - |
| PNEC | Marine water | 0.00335 mg/l | - | - |
| PNEC | Water | 0.0335 mg/l | - | - |
| PNEC | Soil (agricultural) | 1.02 mg/kg | - | - |
| PNEC | Microorganisms in sewage treatment | 24 mg/l | - | - |

8.2. Exposure controls

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

Respiratory protection: Respiratory protection not required.

Hand protection: Impermeable gloves.

Eye protection: Safety glasses with side-shields. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

Environmental: In bulk packaged form, do not discard into Drains, Sewers or surface water courses.

Section 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Blue

Odour: Odourless

Oxidising: Not applicable.

Solubility in water: Miscible in all proportions

Relative density: 1.008

pH: 10.5

9.2. Other information

Other information: Not applicable.

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.

Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

DIDCYLDIMETHYLAMMONIUM CHLORIDE

| | | | | |
|-----|-----|------|-----|-------|
| IPR | RAT | LD50 | 45 | mg/kg |
| ORL | MUS | LD50 | 268 | mg/kg |

2-AMINOETHANOL

| | | | | |
|-----|-----|------|-----|-------|
| IVN | RAT | LD50 | 225 | mg/kg |
|-----|-----|------|-----|-------|

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

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| | | | | |
|-----|-----|------|------|-------|
| IVN | RAT | LD50 | 1088 | mg/kg |
| ORL | MUS | LD50 | 3600 | mg/kg |
| ORL | RAT | LD50 | 5045 | mg/kg |
| SCU | MUS | LDLO | 6 | gm/kg |

AMINES, C12-18 (EVEN NUMBERED) - ALKYL DIMETHYL, N-OXIDES

| | | | | |
|--------|-----|------|---------|-------|
| DERMAL | RAT | LD50 | > 2,000 | mg/kg |
|--------|-----|------|---------|-------|

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 irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. The vision may become blurred. May cause permanent damage.

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. Exposure may cause coughing or wheezing.

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

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

AMINES, C12-18 (EVEN NUMBERED) - ALKYL DIMETHYL, N-OXIDES

| | | | |
|-------------------------------------|----------|------|------|
| Daphnia magna | 48H EC50 | 2.4 | mg/l |
| RAINBOW TROUT (Oncorhynchus mykiss) | 96H LC50 | 1.26 | mg/l |

12.2. Persistence and degradability

Persistence and degradability: The biodegradability of the surfactants contained in this product are in accordance with the requirements of the EU Detergent Regulation (EC/648/2004). Biodegradable.

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12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil. 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: * Transfer to a suitable container and arrange for collection by specialised disposal company.

Recovery operations: Recovery of components used for pollution abatement.

Waste code number: 16 03 03

Disposal of packaging: Clean with water. Dispose of as normal industrial waste. May be reused following decontamination.

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

Section 14: Transport information

14.1. UN number

UN number: UN1903

14.2. UN proper shipping name

Shipping name: DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
(DIDECYLDIMETHYLAMMONIUM CHLORIDE)

14.3. Transport hazard class(es)

Transport class: 8

14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 2

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IMDG seg. group: 18

Section 15: Regulatory information

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

Specific regulations: This product is or contains a dangerous chemical for export or import according to Regulation (EC) No 689/2008. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of the 16th December 2008 on Classification, labeling and packaging of Substances and Mixtures. The biodegradability of the surfactants contained in this product are in accordance with the requirements of the EU Detergent Regulation (EC/648/2004).

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.

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

Phrases used in s.2 and s.3: H225: Highly flammable liquid and vapour.

H302: Harmful if swallowed.

H302+312+332: Harmful if swallowed, in contact with skin or if inhaled.

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.

H336: May cause drowsiness or dizziness.

H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

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.