

**SAFETY DATA SHEET**  
ENVIROCOIL {FROM BATCH NO. 0155481}

**Page:** 1  
**Compilation date:** 10/12/2013  
**Revision date:** 28/06/2019  
**Revision No:** 2.4

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

**1.1. Product identifier**

**Product name:** ENVIROCOIL {FROM BATCH NO. 0155481}  
**REACH registered number(s):** EXEMPT - MIXTURE  
**Product code:** 015  
**UFI:** \* 48DQ-DES3-540A-5MUP

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

**Use of substance / mixture:** Air Conditioning cleaner for Condensers and Evaporators PC35: Washing and cleaning products (including solvent based products).

**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)203 394 9889

**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.  
**Hazard pictograms:** GHS05: Corrosion



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**Signal words:** Danger

**Precautionary statements:** \* P261: Avoid breathing spray.

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

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective clothing, eye protection, face protection.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower.

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

**Haz. ingredients (label):** BENZENESULPHONIC ACID MONO C10-C13 ALKYL DERVIS SODIUM SALTS

## 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:

##### DISODIUM METASILICATE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
229-912-9	6834-92-0	-	Skin Corr. 1B: H314; STOT SE 3: H335	1-10%

D P M - REACH registered number(s): 01-2119450011-60-XXXX

252-104-2	34590-94-8	Substance with a Community workplace exposure limit.	-	1-10%
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##### BENZENESULPHONIC ACID MONO C10-C13 ALKYL DERVIS SODIUM SALTS

270-115-0	68411-30-3	-	Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 3: H412	1-10%
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##### TRISODIUM NITRILOTRIACETATE

225-768-6	5064-31-3	-	Carc. 2: H351; Acute Tox. 4: H302; Eye Irrit. 2: H319	<1%
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#### Non-classified ingredients:

##### AMPHOTERIC SURFACTANT

EINECS	CAS	PBT / WEL	CLP Classification	Percent
265-295-2	68478-94-4	-	Eye Irrit. 2: H319; Aquatic Chronic 3: H412	<1%

[cont...]

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NON-IONIC SURFACTANT:

-	68991-48-0	-	Eye Irrit. 2: H319	<1%
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**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. Wash immediately with plenty of soap and water.
- 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. 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 irritation and redness at the site of contact.
- Eye contact:** There may be irritation and pain. 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 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:** 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:** 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.

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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. Remove all incompatible materials as outlined in section 10 of SDS.

**6.2. Environmental precautions**

**Environmental precautions:** In bulk concentrated form, avoid spillage into drains, sewers and 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. Avoid the formation or spread of mists in the air.

**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 cleaner for Condensers and Evaporators PC35: Washing and cleaning products (including solvent based products).

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

**8.1. Control parameters**

**Hazardous ingredients:**

**D P M**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	50 ppm (308 mg/m <sup>3</sup> )	-	-	-

**DNEL/PNEC Values**

**Hazardous ingredients:**

[cont...]

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**D P M**

Type	Exposure	Value	Population	Effect
DNEL	Dermal (repeated dose)	283 mg/kg/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	308 mg/kg	Workers	Systemic
DNEL	Dermal (repeated dose)	121 mg/kg/day	Consumers	Systemic
DNEL	Inhalation (repeated dose)	37.2 mg/m <sup>3</sup>	Consumers	Systemic
DNEL	Oral (repeated dose)	36 mg/kg/day	Consumers	Systemic
PNEC	Fresh water	19 mg/l	-	-
PNEC	Marine water	1.9 mg/l	-	-
PNEC	Intermittent Release	190 mg/l	-	-
PNEC	Microorganisms in sewage treatment	4168 mg/l	-	-
PNEC	Fresh water sediments	70.2 mg/kg/day	-	-
PNEC	Marine sediments	7.02 mg/kg/day	-	-
PNEC	Soil (agricultural)	2.74 mg/kg/day	-	-

**8.2. Exposure controls**

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

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** \* Nitrile gloves. EN 374-1:2003

**Eye protection:** \* Tightly fitting safety goggles. Ensure eye bath is to hand.

**Skin protection:** Impermeable protective clothing.

**Environmental:** In bulk concentrated form, avoid spillage into drains, sewers and water courses. Ensure all engineering measures mentioned in section 7 of SDS are in place.

**Section 9: Physical and chemical properties**

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

**State:** Liquid

**Colour:** Pale yellow

**Odour:** Characteristic odour

**Solubility in water:** Miscible in all proportions

**Boiling point/range°C:** 100

**Flash point°C:** >93

**Relative density:** 1.05

**pH:** 10.09

**9.2. Other information**

**Other information:** Not applicable.

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions.

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**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:**

**DISODIUM METASILICATE**

ORL	MUS	LD50	770	mg/kg
ORL	RAT	LD50	1153	mg/kg

**D P M**

DERMAL	RBT	LD50	9510	mg/kg
ORAL	RAT	LD50	5000	mg/kg
VAPOURS	RAT	LC50	3.35	mg/l

**BENZENESULPHONIC ACID MONO C10-C13 ALKYL DERIVS SODIUM SALTS**

DERMAL	RAT	LD50	2,000	mg/kg
ORAL	RAT	LD50	1,080	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 irritation and pain. 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.

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**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 short-term exposure.

**Other information:** Not applicable.

## Section 12: Ecological information

### 12.1. Toxicity

**Hazardous ingredients:**

**D P M**

Daphnia magna	48H EC50	1919	mg/l
FISH	96H LC50	10000	mg/l
Scenedesmus Subspicatus	72H EC50	6999	mg/l

### BENZENESULPHONIC ACID MONO C10-C13 ALKYL DERIVS SODIUM SALTS

BLUEGILL (Lepomis macrochirus)	96H LC50	1.67	mg/l
BLUEGILL (Lepomis macrochirus)	NOEC 28 day	1.0	mg/l
Daphnia magna	21 day EC50	1.67	mg/l
Daphnia magna	48H EC50	2.9	mg/l
Daphnia magna	NOEC 21 day	1.18	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.

### 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

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**Disposal of packaging:** Clean with water. 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

**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:** 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:** according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

**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.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.  
H351: Suspected of causing cancer.  
H412: Harmful 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.