

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

**1.1. Product identifier**

**Product name:** 3X3% AR-AFFF-C6

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

**Use of substance / mixture:** Aqueous Fire Fighting Foam. Not classified as hazardous when diluted as recommended.

**1.3. Details of the supplier of the safety data sheet**

**Company name:** Oil Technics Ltd  
Linton Business Park  
Gourdon  
Aberdeenshire  
DD10 0NH  
Scotland, United Kingdom  
**Tel:** +44 (0) 1561 361515  
**Email:** info@firefightingfoam.com

**1.4. Emergency telephone number**

**Emergency tel:** +44 (0) 1561 361515 (24 hours)

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CLP:** Eye Dam. 1: H318; -: EUH208

**Most important adverse effects:** Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction. Causes serious eye damage.

**2.2. Label elements**

**Label elements:**

**Hazard statements:** EUH208: Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.  
H318: Causes serious eye damage.

**Hazard pictograms:** GHS05: Corrosion



**Signal words:** Danger

**Precautionary statements:** P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove

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contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor.

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

ALKYLPOLYGLYCOSIDE C9-11

|           |             |   |                  |       |
|-----------|-------------|---|------------------|-------|
| 603-654-0 | 132778-08-6 | - | Eye Dam. 1: H318 | 1-10% |
|-----------|-------------|---|------------------|-------|

SODIUM DECYL SULPHATE - REACH registered number(s): 01-2119970328-30

|           |          |   |  |       |
|-----------|----------|---|--|-------|
| 205-568-5 | 142-87-0 | - | Acute Tox. 4: H302; Acute Tox. 4: H332;<br>Aquatic Chronic 3: H412; Skin Irrit. 2:<br>H315; Eye Dam. 1: H318 | 1-10% |
|-----------|----------|---|--|-------|

SODIUM OCTYL SULPHATE - REACH registered number(s): 01-2119966154-35

|           |          |   |                                       |       |
|-----------|----------|---|---------------------------------------|-------|
| 205-535-5 | 142-31-4 | - | Skin Irrit. 2: H315; Eye Dam. 1: H318 | 1-10% |
|-----------|----------|---|---------------------------------------|-------|

## 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. If irritation and redness continues seek medical attention.

**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. 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.

**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

[cont...]

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## 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:** Not applicable.

## 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:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. 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.

### 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:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 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

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. 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.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### DNEL/PNEC Values

[cont...]

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## Hazardous ingredients:

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| Type | Exposure              | Value                 | Population | Effect   |
|------|-----------------------|-----------------------|------------|----------|
| DNEL | Inhalation            | 285 mg/m <sup>3</sup> | Workers    | Systemic |
| DNEL | Dermal                | 4060 mg/kg bw/dy      | Workers    | Systemic |
| DNEL | Inhalation            | 85 mg/m <sup>3</sup>  | Consumers  | Systemic |
| DNEL | Dermal                | 2440 mg/kg bw/day     | Consumers  | Systemic |
| DNEL | Oral                  | 24 mg/kg bw/day       | Consumers  | Systemic |
| PNEC | Fresh water           | 0.095 mg/l            | -          | -        |
| PNEC | Marine water          | 0.0095 mg/l           | -          | -        |
| PNEC | Fresh water sediments | 1.5 mg/l              | -          | -        |
| PNEC | Marine sediments      | 0.15 mg/kg            | -          | -        |
| PNEC | Soil (agricultural)   | 0.2445 mg/kg          | -          | -        |

## 8.2. Exposure controls

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

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

**Hand protection:** Protective gloves.

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

**Skin protection:** Protective clothing.

**Environmental:** Refer to specific Member State legislation for requirements under Community environmental legislation.

## Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Yellow

**Odour:** Characteristic odour

**Evaporation rate:** Slow

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Soluble

**Relative density:** 1.030

**pH:** Approx. 7

### 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.

[cont...]

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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:** Not applicable.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Hazardous ingredients:

#### ALKYLPOLYGLYCOSIDE C9-11

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

#### SODIUM DECYL SULPHATE

|        |     |          |      |       |
|--------|-----|----------|------|-------|
| DERMAL | RAT | LD50     | 2000 | mg/kg |
| ORAL   | RAT | LD50     | 1200 | mg/kg |
| ORAL   | RAT | NOAEL    | 488  | mg/kg |
| ORAL   | RAT | OECD 401 | 1200 | mg/kg |
| ORAL   | RAT | OECD 414 | 500  | mg/kg |
| ORAL   | RAT | OECD 453 | 1125 | mg/kg |

#### SODIUM OCTYL SULPHATE

|        |      |      |       |       |
|--------|------|------|-------|-------|
| DERMAL | CALC | LD50 | >2000 | mg/kg |
| ORAL   | CALC | LD50 | >2000 | mg/kg |

#### Relevant hazards for product:

| Hazard                        | Route | Basis                 |
|-------------------------------|-------|-----------------------|
| 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.

[cont...]

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**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:**

#### ALKYLPOLYGLYCOSIDE C9-11

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

#### SODIUM DECYL SULPHATE

|                                 |                    |      |      |
|---------------------------------|--------------------|------|------|
| Activated Sludge                | 0.5H EC50          | 188  | mg/l |
| Activated Sludge                | 3H EC50            | 135  | mg/l |
| Cyprinus carpio                 | 48H LC50           | 13   | mg/l |
| Daphnia magna                   | 24H EC50           | 470  | mg/l |
| Daphnia magna                   | 48H EC50           | >100 | mg/l |
| Daphnia magna                   | OECD Guideline 211 | 1.4  | mg/l |
| Pseudokirchneriella subcapitata | 72H EC50           | 8.64 | mg/l |
| Pseudokirchneriella subcapitata | EC10 (72 h)        | 0.95 | mg/l |

#### SODIUM OCTYL SULPHATE

|  |          |      |      |
|--|----------|------|------|
| Aquatic invertebrates                    | 48H EC50 | >100 | mg/l |
| Aquatic plants                           | 48H EC50 | >100 | mg/l |
| FISH                                     | 96H LC50 | >100 | mg/l |
| Microorganisms/Effect on activated sludg | EC0      | >100 | mg/l |

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

### 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.

[cont...]

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## 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:** Not applicable.

**Waste code number:** 16 10 01

**Disposal of packaging:** 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:** Not applicable.

### 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.

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

H302: Harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H332: Harmful if inhaled.

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.