# SAFETY DATA SHEET

303 LIFEBOAT RESIN ACTIVATOR



**Compilation date:** 17/05/2016

**Revision No:** 1

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

### 1.1. Product identifier

**Product name:** 303 LIFEBOAT RESIN ACTIVATOR

**Product code:** **303**

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

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

**Company name:** Resimac Limited
Unit B, Park Barn Estate
Station Road
Topcliffe, Thirsk
North Yorkshire
YO7 3SE
United Kingdom

**Tel:** 01845 577498

**Email:** info@resimac.co.uk

### 1.4. Emergency telephone number

**Emergency tel:** 01845 577498

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CLP:** Acute Tox. 4: H302; Aquatic Chronic 2: H411; Repr. 2: H361f; Skin Corr. 1B: H314; Skin Sens. 1A: H317

**Most important adverse effects:** Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Suspected of damaging fertility. Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

**Label elements:**

**Hazard statements:** H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H361f: Suspected of damaging fertility.
H411: Toxic to aquatic life with long lasting effects.

**Signal words:** Danger

**Hazard pictograms:** GHS05: Corrosion

[cont...]

GHS07: Exclamation mark

GHS08: Health hazard

GHS09: Environmental

**Precautionary statements:** P202: Do not handle until all safety precautions have been read and understood.

P273: Avoid release to the environment.

P260: Do not breathe vapours.

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

P301+312: IF SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell.

P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P302+352: IF ON SKIN: Wash with plenty of water/.

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

P501: Dispose of contents/container to hazardous or special waste collection point.

### 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:**

BENZYL ALCOHOL

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|---|---|---|---|---|
| 202-859-9 | 100-51-6 | - | Acute Tox. 4: H332; Acute Tox. 4: H302 | 10-30% |

M-PHENYLENEBIS(METHYLAMINE)

| | | | | |
|---|---|---|---|---|
| 216-032-5 | 1477-55-0 | - | Skin Corr. 1B: H314; Acute Tox. 4: H302; Skin Sens. 1: H317; Aquatic Chronic 3: H412; Acute Tox. 4: H332 | 10-30% |

3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE

| | | | | |
|---|---|---|---|---|
| 220-666-8 | 2855-13-2 | - | Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 3: H412 | 1-10% |

4-TERT-BUTYLPHENOL

| | | | | |
|---|---|---|---|---|
| 202-679-0 | 98-54-4 | - | Repr. 2: H361f; Skin Irrit. 2: H315; Eye Dam. 1: H318 | 1-10% |

[cont...]

DODECYLPHENOL

| | | | | |
|---|---|---|---|---|
| 310-154-3 | 121158-58-5 | - | Skin Irrit. 2: H315; Eye Irrit. 2: H319; Repr. 2: H361f; Aquatic Acute 1: H400; Aquatic Chronic 1: H410 | 1-10% |

2-PIPERAZIN-1-YLETHYLAMINE

| | | | | |
|---|---|---|---|---|
| 205-411-0 | 140-31-8 | - | Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 3: H412 | 1-10% |

TRIMETHYLHEXANE-1,6-DIAMINE

| | | | | |
|---|---|---|---|---|
| 247-063-2 | 25513-64-8 | - | Skin Corr. 1C: H314; Acute Tox. 4: H302; Skin Sens. 1A: H317; Aquatic Chronic 3: H412; Acute Tox. 4: H312 | 1-10% |

SALICYLIC ACID

| | | | | |
|---|---|---|---|---|
| 200-712-3 | 69-72-7 | - | Eye Dam. 1: H318; Acute Tox. 4: H302+332 | 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. 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:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

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

[cont...]

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

**Immediate / special treatment:** Not applicable.

## 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:** Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. 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:** Clean-up should be dealt with only by qualified personnel familiar with the specific substance. 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. 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.

[cont...]

### 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

**Hazardous ingredients:**

**DODECYLPHENOL**

| Type | Exposure | Value | Population | Effect |
|---|---|---|---|---|
| DNEL | Dermal | 15mg/Kg/day | Workers | Systemic |

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.
**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.
**Hand protection:** Impermeable gloves.
**Eye protection:** Tightly fitting safety goggles. Ensure eye bath is to hand.
**Skin protection:** Impermeable protective clothing.

## Section 9: Physical and chemical properties

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

**State:** Liquid
**Colour:** Amber
**Odour:** Ammoniacal
**Solubility in water:** Insoluble
**Viscosity:** Non-viscous
**Boiling point/range°C:** >200
**Flash point°C:** >100
**Autoflammability°C:** 380
**Relative density:** 1.1

### 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.

[cont...]

### 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:**

**BENZYL ALCOHOL**

| | | | | |
|---|---|---|---|---|
| IVN | RAT | LD50 | 53 | mg/kg |
| ORL | MUS | LD50 | 1360 | mg/kg |
| ORL | RAT | LD50 | 1230 | mg/kg |

**M-PHENYLENEBIS(METHYLAMINE)**

| | | | | |
|---|---|---|---|---|
| DERMAL | RAT | LD50 | 3100 | mg/kg |
| ORAL | RAT | LD50 | 930 | mg/kg |

**DODECYLPHENOL**

| | | | | |
|---|---|---|---|---|
| ORAL | RAT | LD50 | 2140 | mg/kg |

**2-PIPERAZIN-1-YLETHYLAMINE**

| | | | | |
|---|---|---|---|---|
| IPR | MUS | LD50 | 250 | mg/kg |
| ORL | RAT | LD50 | 2140 | µl/kg |

**TRIMETHYLHEXANE-1,6-DIAMINE**

| | | | | |
|---|---|---|---|---|
| DERMAL | RAT | LD50 | 1280 | mg/kg |
| ORAL | RAT | LD50 | 910 | mg/kg |

[cont...]

**SALICYLIC ACID**

| | | | | |
|---|---|---|---|---|
| DERMAL | RAT | | >2000 | mg/kg |
| ORAL | RAT | LD50 | 891 | mg/kg |
| | | LD50 | | |

**Relevant hazards for substance:**

| Hazard | | Basis |
|---|---|---|
| Acute toxicity (ac. tox. 4) | ING | Hazardous: calculated |
| Skin corrosion/irritation | DRM | Hazardous: calculated |
| Serious eye damage/irritation | OPT | Hazardous: calculated |
| Reproductive toxicity | -- | Hazardous: calculated |

### Symptoms / routes of exposure

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

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

## Section 12: Ecological information

### 12.1. Toxicity

**Hazardous ingredients:**

**M-PHENYLENEBIS(METHYLAMINE)**

| | | | |
|---|---|---|---|
| DAPHNIA | 48H EC50 | 15.2 | mg/l |
| FISH | 96H LC50 | >100 | mg/l |

**DODECYLPHENOL**

| | | | |
|---|---|---|---|
| FISH | 96H LC50 | 0.14 | mg/l |

**TRIMETHYLHEXANE-1,6-DIAMINE**

| | | | |
|---|---|---|---|
| FISH | 48H EC50 | 174 | mg/l |

**SALICYLIC ACID**

| | | | |
|---|---|---|---|
| FISH | 96H LC50 | 1380 | mg/l |

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

[cont...]

### 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.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**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:** UN2735

### 14.2. UN proper shipping name

**Shipping name:** AMINES, LIQUID, CORROSIVE, N.O.S.
(4-TERT-BUTYLPHENOL)

### 14.3. Transport hazard class(es)

**Transport class:** 8

### 14.4. Packing group

**Packing group:** III

### 14.5. Environmental hazards

**Environmentally hazardous:** Yes **Marine pollutant:** Yes

### 14.6. Special precautions for user

**Special precautions:** No special precautions.

**Tunnel code:** E

**Transport category:** 3

## Section 15: Regulatory information

[cont...]

### 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 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.

H302+332: Harmful if swallowed or if inhaled.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H361f: Suspected of damaging fertility.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H411: Toxic to aquatic life with long lasting effects.

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.