



# SAFETY DATA SHEET

SOL-RES 05 RESIN

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Compilation date: 22/02/2013  
Revision No: 1

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

### 1.1. Product identifier

Product name: SOL-RES 05 RESIN

### 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: Scorpion Oceanics Ltd  
Unit 2 Park Farm  
Park Road, Gt Chesterford  
Saffron Waldon  
Essex  
CB10 1RN  
UK  
Tel: 01799 531633  
Fax: 01799 531634  
Email: [saustin@scorpionoceanics.co.uk](mailto:saustin@scorpionoceanics.co.uk)

### 1.4. Emergency telephone number

Emergency tel: 01799 533195  
(office hours only)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification under CHIP: Xn: R20; Xi: R36; Sens.: R42/43

Most important adverse effects: Harmful by inhalation. Irritating to eyes. May cause sensitisation by inhalation and skin contact.

### 2.2. Label elements

Label elements under CHIP:

Hazard symbols: Harmful.



Risk phrases: R20: Harmful by inhalation.  
R36: Irritating to eyes.  
R42/43: May cause sensitisation by inhalation and skin contact.

Safety phrases: S23: Do not breathe fumes.  
S24: Avoid contact with skin.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S37: Wear suitable gloves.  
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
S63: In case of accident by inhalation, remove casualty to fresh air and keep at rest.

[cont...]

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**Precautionary phrases:** Contains hexahydromethylphthalic anhydride, 4-methyl-m-phenylene diisocyanate. May produce an allergic reaction.

## 2.3. Other hazards

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

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

**Hazardous ingredients:**

PREPOLYMER BASED ON AROMATIC POLYISOCYANATE

| EINECS | CAS        | CHIP Classification | CLP Classification                     | Percent |
|--------|------------|---------------------|--|---------|
| -      | 37273-56-6 | Xi: R36; Sens.: R43 | Eye Irrit. 2: H319; Skin Sens. 1: H317 | >90%    |

LOW BOILING POINT NAPHTHA SOLVENT (<0.1% BENZENE)

|   |   |   |   |     |
|---|---|---|---|-----|
| - | - | -: R10; Xi: R37; N: R51/53; Xn: R65; -: R66; -: R67 | - | <1% |
|---|---|---|---|-----|

4-METHYL-M-PHENYLENE DIISOCYANATE

|           |          |   |   |     |
|-----------|----------|---|---|-----|
| 209-544-5 | 584-84-9 | T+: R26; Xi: R36/37/38; Xn: R40; Sens.: R42/43; -: R52/53 | Carc. 2: H351; Acute Tox. 2: H330; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317; Aquatic Chronic 3: H412 | <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. Consult a doctor.
- Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.
- 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. 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 redness. The eyes may water profusely.
- Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.
- 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:** 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.

[cont...]

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## 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: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. 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.

### 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. 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 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

Hazardous ingredients:

4-METHYL-M-PHENYLENE DIISOCYANATE

Workplace exposure limits:

Respirable dust

| State | 8 hour TWA              | 15 min. STEL           | 8 hour TWA | 15 min. STEL |
|-------|-------------------------|------------------------|------------|--------------|
| UK    | 0.035 mg/m <sup>3</sup> | 0.14 mg/m <sup>3</sup> | -          | -            |

### 8.1. DNEL/PNEC Values

DNEL / PNEC No data available.

### 8.2. Exposure controls

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

[cont...]

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**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Impermeable gloves.

**Eye protection:** Safety glasses. 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:** Black

**Odour:** Barely perceptible odour

**Flash point °C:** >180

**Relative density:** 1.07

### 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.

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. Strong bases.

### 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:**

**LOW BOILING POINT NAPHTHA SOLVENT (<0.1% BENZENE)**

|     |     |      |      |       |
|-----|-----|------|------|-------|
| ORL | RAT | LD50 | 8400 | mg/kg |
|-----|-----|------|------|-------|

**4-METHYL-M-PHENYLENE DIISOCYANATE**

|     |     |      |      |       |
|-----|-----|------|------|-------|
| IVN | MUS | LD50 | 56   | mg/kg |
| ORL | RAT | LD50 | 5800 | mg/kg |

**Relevant effects for mixture:**

| Effect | Route | Basis |
|--------|-------|-------|
|--------|-------|-------|

[cont...]

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|                          |         |                       |
|--------------------------|---------|-----------------------|
| Acute toxicity (harmful) | INH     | Hazardous: calculated |
| Irritation               | OPT     | Hazardous: calculated |
| Sensitisation            | INH DRM | 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 redness. The eyes may water profusely.

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

**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

**Ecotoxicity values:** No data available.

### 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 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

**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

### 15.2. Chemical Safety Assessment

## 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.

[cont...]

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Phrases used in s.2 and 3:

- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H330: Fatal if inhaled.
- H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335: May cause respiratory irritation.
- H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
- H412: Harmful to aquatic life with long lasting effects.
- R10: Flammable.
- R20: Harmful by inhalation.
- R26: Very toxic by inhalation.
- R36/37/38: Irritating to eyes, respiratory system and skin.
- R36: Irritating to eyes.
- R37: Irritating to respiratory system.
- R40: Limited evidence of a carcinogenic effect.
- R42/43: May cause sensitisation by inhalation and skin contact.
- R43: May cause sensitisation by skin contact.
- R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65: Harmful: may cause lung damage if swallowed.
- R66: Repeated exposure may cause skin dryness or cracking.
- R67: Vapours may cause drowsiness and dizziness.

**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.