

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product name: SOLRES 05 HARDENER

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

Use of substance / mixture: PC1: Adhesives, sealants.

**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  
United Kingdom

Tel: +44(0) 1799 531633

Email: [Health&Safety@scorpioceanics.co.uk](mailto:Health&Safety@scorpioceanics.co.uk)**1.4. Emergency telephone number**

Emergency tel: +44(0) 1799 531633  
(office hours only)

**Section 2: Hazards identification****2.1. Classification of the substance or mixture**

Classification under CLP: Acute Tox. 4: H302; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410

Most important adverse effects: Harmful if swallowed. May cause an allergic skin reaction. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

**2.2. Label elements**

Label elements:

Hazard statements: H302: Harmful if swallowed.

H317: May cause an allergic skin reaction.

H400: Very toxic to aquatic life.

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

Hazard pictograms: GHS07: Exclamation mark

GHS09: Environmental



# SAFETY DATA SHEET

SOLRES 05 HARDENER

Page: 2

Signal words: Warning

Precautionary statements: P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.

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

P273: Avoid release to the environment.

P301+P312: IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

P330: Rinse mouth.

P302+P352: IF ON SKIN: Wash with plenty of water.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

Haz. ingredients (label): 6-METHYL-2,4-BIS(METHYLTHIO)PHENYLENE-1,3-DIAMINE

## 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:

6-METHYL-2,4-BIS(METHYLTHIO)PHENYLENE-1,3-DIAMINE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
403-240-8	106264-79-3	-	Acute Tox. 4: H302; Skin Sens. 1: H317; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	>90%

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water. If irritation occurs or persists, seek medical attention. Transfer to hospital if necessary.

**Eye contact:** Bathe the eye with running water for 15 minutes. Immediately remove contact lenses if present. Get medical attention if any discomfort continues.

**Ingestion:** Do not induce vomiting. Wash out mouth with water. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Move to fresh air in case of accidental inhalation of vapours. Consult a doctor.

### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** There may be mild irritation at the site of contact. May cause sensitisation in susceptible individuals.

**Eye contact:** There may be irritation and redness. The eyes may water profusely. The vision may become blurred.

**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.

[cont...]

# SAFETY DATA SHEET

SOLRES 05 HARDENER

Page: 3

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

Immediate / special treatment: Show this safety data sheet to the doctor in attendance. 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: Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Ensure adequate ventilation.

### 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 the formation or spread of mists in the air. Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

Suitable packaging: Must only be kept in original packaging.

[cont...]

# SAFETY DATA SHEET

SOLRES 05 HARDENER

Page: 4

## 7.3. Specific end use(s)

Specific end use(s): PC1: Adhesives, sealants.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

Workplace exposure limits: No data available.

### DNEL/PNEC Values

DNEL / PNEC No data available.

### 8.2. Exposure controls

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

Respiratory protection: Suitable respiratory protection should be worn when there is inadequate ventilation.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

## Section 9: Physical and chemical properties

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

State: Liquid

Colour: Amber

Odour: Amine

Boiling point/range°C: 353

Flash point°C: 176

Relative density: 1.200

### 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.

### 10.4. Conditions to avoid

Conditions to avoid: Heat.

### 10.5. Incompatible materials

Materials to avoid: Strong acids. Strong bases. Strong oxidising agents.

[cont...]

## SAFETY DATA SHEET

SOLRES 05 HARDENER

Page: 5

## 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:

6-METHYL-2,4-BIS(METHYLTHIO)PHENYLENE-1,3-DIAMINE

DERMAL	RBT	LD50	>2000	mg/kg
ORAL	RAT	LD50	1515	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated

## Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact. May cause sensitisation in susceptible individuals.

Eye contact: There may be irritation and redness. The eyes may water profusely. The vision may become blurred.

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.

## Section 12: Ecological information

## 12.1. Toxicity

Hazardous ingredients:

6-METHYL-2,4-BIS(METHYLTHIO)PHENYLENE-1,3-DIAMINE

Daphnia magna	48H EC50	1.1	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	7.3	mg/l
Scenedesmus Subspicatus	72H ErC50	5.85	mg/l

## 12.2. Persistence and degradability

Persistence and degradability: No data available.

## 12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

[cont...]

# SAFETY DATA SHEET

SOLRES 05 HARDENER

Page: 6

## 12.4. Mobility in soil

Mobility: No data available.

## 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: Very toxic to aquatic organisms.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

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

Waste code number: 08 04 09

Disposal of packaging: 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: UN3082

### 14.2. UN proper shipping name

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(6-METHYL-2,4-BIS(METHYLTHIO)PHENYLENE-1,3-DIAMINE)

### 14.3. Transport hazard class(es)

Transport class: 9

### 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: Marine pollutant(s) - 6-METHYL-2,4-BIS(METHYLTHIO)PHENYLENE-1,3-DIAMINE ;

Tunnel code: E

Transport category: 3

## Section 15: Regulatory information

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

Specific regulations: Not applicable.

[cont...]

## SAFETY DATA SHEET

SOLRES 05 HARDENER

Page: 7

### 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: H302: Harmful if swallowed.

H317: May cause an allergic skin reaction.

H400: Very toxic to aquatic life.

H410: Very 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.