

SAFETY DATA SHEET

SOLRES 05 RESIN

Page: 1

Compilation date: 04/04/2012

Revision date: 13/06/2016

Revision No: 1.2

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

1.1. Product identifier

Product name: SOLRES 05 RESIN

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@scorpionoceanics.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: Eye Irrit. 2: H319; Skin Sens. 1: H317; -: EUH208

Most important adverse effects: Causes serious eye irritation. May cause an allergic skin reaction. Contains hexahydro-4-methylphthalic anhydride, 2,4-toluenediisocyanate. May produce an allergic reaction.

2.2. Label elements

Label elements:

Hazard statements: H319: Causes serious eye irritation.

H317: May cause an allergic skin reaction.

EUH208: Contains hexahydro-4-methylphthalic anhydride, 2,4-toluenediisocyanate. May produce an allergic reaction.

Hazard pictograms: GHS07: Exclamation mark



SAFETY DATA SHEET

SOLRES 05 RESIN

Page: 2

Signal words: Warning

Precautionary statements: P261: Avoid breathing mist.

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

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

P337+P313: If eye irritation persists: Get medical advice/attention.

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): POLYOXY(METHYL-1,2-ETHANEDIYL), .ALPHA.-HYDRO-.OMEGA.-HYDROXY-, POLYMER WITH 2,4-DIISOCYANATO-1-METHYLBENZENE; ZEOLITES; HEXAHYDRO-4-METHYLPHTHALIC ANHYDRIDE; 2,4-TOLUENEDIISOCYANATE

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:

POLYOXY(METHYL-1,2-ETHANEDIYL), .ALPHA.-HYDRO-.OMEGA.-HYDROXY-, POLYMER WITH 2,4-DIISOCYANATO-1-METHYLBENZENE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	37273-56-6	-	Eye Irrit. 2: H319; Skin Sens. 1: H317	>90%

ZEOLITES

215-283-8	1318-02-1	Substance with a Community workplace exposure limit.	-	1-10%
-----------	-----------	--	---	-------

HEXAHYDRO-4-METHYLPHTHALIC ANHYDRIDE

243-072-0	19438-60-9	-	Eye Dam. 1: H318; Resp. Sens. 1: H334; Skin Sens. 1: H317	<1%
-----------	------------	---	---	-----

2,4-TOLUENEDIISOCYANATE

209-544-5	584-84-9	-	Acute Tox. 2: H330; Carc. 2: H351; Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335; Resp. Sens. 1: H334; Skin Sens. 1: H317; Aquatic Chronic 3: H412	<1%
-----------	----------	---	---	-----

Contains: Contains a candidate listed on the EU REACH Substances of Very High Concern (SVHC).

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. If irritation occurs or persists, seek medical attention. Transfer to hospital if necessary.

[cont...]

SAFETY DATA SHEET

SOLRES 05 RESIN

Page: 3

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. 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.

Inhalation: Exposure may cause coughing or wheezing.

Delayed / immediate effects: Delayed effects can be expected after long-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.

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.
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

[cont...]

SAFETY DATA SHEET

SOLRES 05 RESIN

Page: 4

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. 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): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

ZEOLITES

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	10 mg/m ³	-	4 mg/m ³	-

2,4-TOLUENEDIISOCYANATE

UK	0.02 mg/m ³	0.07 mg/m ³	-	-
----	------------------------	------------------------	---	---

DNEL/PNEC Values

Hazardous ingredients:

HEXAHYDRO-4-METHYLPHTHALIC ANHYDRIDE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	5.3 mg/m ³	Workers	Systemic
DNEL	Dermal	1.5 mg/kg	Workers	Systemic
PNEC	Fresh water	550 ug/L	-	-
PNEC	Marine water	60 ug/L	-	-
PNEC	Microorganisms in sewage treatment	2.19 mg/L	-	-
PNEC	Fresh water sediments	5.3 mg/kg	-	-
PNEC	Marine sediments	530 ug/kg	-	-
PNEC	Soil (agricultural)	5.3 mg/kg	-	-

2,4-TOLUENEDIISOCYANATE

Type	Exposure	Value	Population	Effect
------	----------	-------	------------	--------

[cont...]

SAFETY DATA SHEET

SOLRES 05 RESIN

Page: 5

DNEL	Inhalation	35ug/m3	Workers	Systemic
DNEL	Inhalation	140ug/m3	Workers	Systemic
DNEL	Inhalation	35ug/m3	Workers	Local
DNEL	Inhalation	140ug/m3	Workers	Local
PNEC	Fresh water	12.5ug/L	-	-
DNEL	Marine water	1.25ug/L	-	-
DNEL	Microorganisms in sewage treatment	1mg/L	-	-
PNEC	Soil (agricultural)	1mg/kg	-	-

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: 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

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.

[cont...]

SAFETY DATA SHEET

SOLRES 05 RESIN

Page: 6

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:

HEXAHYDRO-4-METHYLPHTHALIC ANHYDRIDE

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

2,4-TOLUENEDIISOCYANATE

ORAL	RAT	LD50	5800	mg/kg
VAPOURS	RAT	4H LC50	0.47	mg/l

Relevant hazards for product:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	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.

Inhalation: Exposure may cause coughing or wheezing.

Delayed / immediate effects: Delayed effects can be expected after long-term exposure.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

ZEOLITES

Daphnia magna	48H EC50	>1400	mg/l
FISH	96H LC50	>680	mg/l

[cont...]

SAFETY DATA SHEET

SOLRES 05 RESIN

Page: 7

HEXAHYDRO-4-METHYLPHTHALIC ANHYDRIDE

Daphnia magna	48H EC50	>100	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H ErC50	135	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	>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.

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 05 01

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

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

[cont...]

SAFETY DATA SHEET

SOLRES 05 RESIN

Page: 8

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: EUH208: Contains hexahydro-4-methylphthalic anhydride, 2,4-toluenediisocyanate. May produce an allergic reaction.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

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 ([oral]).

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.