

SAFETY DATA SHEET

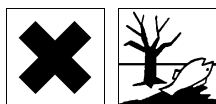
according to Regulation (EU) No. 1907/2006

S&P Resicem (Comp. A)

1. Identification of the substance/preparation and of the company/undertaking

Use of the Substance/Preparation	Epoxy resin solution
Company/Undertaking Identification	S&P Reinforcement International AG Seewernstrasse 127 CH-6423 Seewen Switzerland +41 41 825 00 70 / info@sp-reinforcement.eu (8 – 17 h)
Emergency telephone number	145 / +41 44 251 51 51 (Swiss Toxicological Info Center - 24h)
Revision Date	14.04.2011
Version	1

2. Hazards identification



Xi - Irritant.
N - Dangerous for the environment.

May cause sensitisation by skin contact. Irritating to eyes and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition/information on ingredients

Chemical characterization Epoxy constituents.

Components		Symbol(s)	R-phrase(s)	CAS	EINECS
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	20% - 25%	Xi,N	R-36/38-43-51/53	9003-36-5	500-006-8
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular	50% - 75%	Xi,N	R-36/38-43-51/53	25068-38-6	500-033-5

weight <= 700)					
Oxirane, mono[(C10-16-alkyloxy)methyl] derivs.	15% - 20%	Xi,N	R-43-36/38-51/53	68081-84-5	268-358-2

4. First aid measures

General advice	If you feel unwell, seek medical advice (show the label where possible).
Inhalation	In the case of inhalation of aerosol/mist consult a physician if necessary.
Skin contact	Wash off with warm water and soap. Remove contaminated clothes and shoes. If skin irritation persists, call a physician.
Eye contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion	Rinse mouth. Do not induce vomiting without medical advice.

5. Fire-fighting measures

Suitable extinguishing media	Use dry chemical, CO2, water spray or alcohol foam.
Special protective equipment for firefighters	Standard procedure for chemical fires.
Specific methods	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6. Accidental release measures

Personal precautions	Ensure adequate ventilation. Avoid contact with skin and eyes.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Methods for cleaning up	Sweep up and shovel into suitable containers for disposal.

7. Handling and storage

Handling	Ingestion, exposure to skin and eyes and inhalation of any generated vapours should be avoided.
Storage	Keep tightly closed in a dry and cool place.

8. Exposure controls / personal protection

Occupational exposure controls	General industrial hygiene practice.
Personal protection equipment	
Respiratory protection	Breathing apparatus needed only when aerosol or mist is formed. Respirator with A/P2 filter.
Hand protection	Gloves made of Nitril. Protective gloves complying with EN 374. Break through time: 1 h.
Eye protection	Safety glasses with side-shields conforming to EN 166. Eye wash bottle with pure water.
Skin and body protection	Long sleeved clothing.

9. Physical and chemical properties

Form	Viscous.
Colour	Light yellow.
Odour	Characteristic.
Physical and chemical properties	pH: not applicable. Flash point: > 99 °C. Water solubility: insoluble Fat solubility: insoluble Density 1.5 g/ml. Explosion limits: not applicable.

10. Stability and reactivity

Stability	No decomposition if stored and applied as directed.
Conditions to avoid	Extremes of temperature and direct sunlight.
Materials to avoid	Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Hazardous decomposition products	None reasonably foreseeable.

11. Toxicological information

Local effects	Irritating to eyes and skin.
Long term toxicity	No data is available on the product itself.
Sensitization	May cause sensitization of susceptible persons by skin contact.

12. Ecological information

Persistence / degradability	Not readily biodegradable.
Results of PBT assessment	This preparation contains substances considered to be persistent, bioaccumulating and toxic (PBT).
Other adverse effects	highly water contaminating (WGK-D : 3 – self estimation).

13. Disposal considerations

Waste from residues / unused products	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. European Waste catalogue code (EWC-code): 08 04 09.
Contaminated packaging	Empty containers should be taken for local recycling, recovery or waste disposal.

14. Transport information

ADR/RID	Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxide derivatives) UN No 3082. Class 9. Packing group III. ADR/RID-Labels 9. Classification code M6. Risk No. 90. Limited quantities LQ7. Tunnel code 3 (E)
IMO	Proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Epoxide derivatives) UN No 3082. Class 9. Packing group III. ADR/RID-Labels 9. Limited quantities 5 kg. EmS F-A, S-F.
ICAO	Proper shipping name Environmentally hazardous substance, liquid, n.o.s. * (Epoxide derivatives) UN No 3082. Class 9. Packing group III. Packing instruction (passenger aircraft): 914 (450 L). Packing instruction (LQ): Y914 (30 kg G). Packing instruction (cargo aircraft): 914 (450 L).

15. Regulatory information

Symbol(s)	Xi - Irritant. N - Dangerous for the environment.
R-phrase(s)	R43: May cause sensitisation by skin contact. R36/38: Irritating to eyes and skin. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrase(s)	S1/2: Keep locked up and out of the reach of children. 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. S60: This material and its container must be disposed of as hazardous waste.
Additional Hints	Contains epoxy constituents. See information supplied by the manufacturer.
Hazardous components which must be listed on the label	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700), CAS-No. 25068-38-6, EC-No. 500-033-5 Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol, CAS-No. 9003-36-5 , EC-No. 500-006-8 Oxirane, mono[(C10-16-alkyloxy)methyl] derivs., CAS-No. 68081-84-5, EC-No. 268-358-2
Regulatory Information	Classification according to EC directive. VOC (CH) = 0%

16. Other information

Recommended use	For industrial application only.
Text of R phrases mentioned in Section 3	R43: May cause sensitisation by skin contact. R36/38: Irritating to eyes and skin. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Further information	Take notice of the directions of use.
Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.