

# SAFETY DATA SHEET

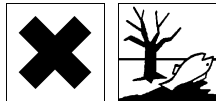
according to Regulation (EU) No. 1907/2006

## S&P Resin Epoxy 50 (Comp. A)

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

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

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#### **4. First aid measures**

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

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#### **5. Fire-fighting measures**

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

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#### **6. Accidental release measures**

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

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#### **7. Handling and storage**

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

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## 8. Exposure controls / personal protection

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

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## 9. Physical and chemical properties

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

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## 10. Stability and reactivity

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

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## 11. Toxicological information

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

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## 12. Ecological information

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

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## 13. Disposal considerations

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

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## 14. Transport information

<b>ADR/RID</b>	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)
<b>IMO</b>	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.
<b>ICAO</b>	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).

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## 15. Regulatory information

<b>Symbol(s)</b>	Xi - Irritant. N - Dangerous for the environment.
<b>R-phrases(s)</b>	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.
<b>S-phrases(s)</b>	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.
<b>Additional Hints</b>	Contains epoxy constituents. See information supplied by the manufacturer.
<b>Hazardous components which must be listed on the label</b>	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
<b>Regulatory Information</b>	Classification according to EC directive. VOC (CH) = 0%

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## 16. Other information

<b>Recommended use</b>	For industrial application only.
<b>Text of R phrases mentioned in Section 3</b>	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.
<b>Further information</b>	Take notice of the directions of use.
<b>Disclaimer</b>	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.