



SAFETY DATA SHEET

according to Regulation (EU) No. 453/2010

S&P Resin 230 Komp A

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

1.1. Product identifier

Product code None.

Synonyms None.

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

Use of the Substance/Preparation Epoxy resin solution

1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification S&P Clever Reinforcement Company AG
Seewernstrasse 127
CH-6423 Seewen
Switzerland

+41 41 825 00 70 [8-17h]
info@sp-reinforcement.ch

1.4. Emergency telephone number STIZ (Tox-Zentrum) CH-Zürich : 145 / +41 44 251 51 51 [24h/7]

Issuing date 10.10.2014

Version 4

2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 (GHS/CLP)

Skin corrosion/irritation, Cat. 2, H315
Serious eye damage/eye irritation, Cat. 2, H319
Skin Sensitisation, Cat. 1, H317
Hazardous to the aquatic environment, chronic, Cat. 3, H412
Contains epoxy constituents. May produce an allergic reaction.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

R43
Xi; R36/38
R52/53

Additional information

For the full text of the phrases mentioned in this Section, see Section 16.

2.2. Label elements



Signal Word
Hazard Statements

Warning
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H412: Harmful to aquatic life with long lasting effects.

Precautionary statements

P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P280c: Wear protective gloves/ eye protection/ face protection.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P273: Avoid release to the environment.
P501: Dispose of contents/ container to an approved waste disposal plant.

Additional advice

Contains epoxy constituents. May produce an allergic reaction.

GHS product identifier

Bisphenol A-Epoxy Resin, CAS-No. 25068-38-6, EC-No. 500-033-5
Neopentyl glycol diglycidyl ether, CAS-No. 17557-23-2, EC-No. 241-536-7

Labelling according to Directives 67/548/EEC or 1999/45/EC



Xi - Irritant.

R-phrases(s)

R43: May cause sensitisation by skin contact.
R36/38: Irritating to eyes and skin.
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(s)

S24/25: Avoid contact with skin and eyes.
S36/37: Wear suitable protective clothing and gloves.
S29/56: Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.



Additional advice	Contains epoxy constituents. See information supplied by the manufacturer.
Hazardous component(s) which must be listed on the label	Bisphenol A-Epoxy Resin, CAS-No. 25068-38-6, EC-No. 500-033-5 Neopentyl glycol diglycidyl ether, CAS-No. 17557-23-2, EC-No. 241-536-7
2.3. Other hazards	No information available.

3. Composition/information on ingredients

Chemical characterization Epoxy constituents.

Components		CLP Classification	DSD/DPD Classification	Product identifier
Bisphenol A-Epoxy Resin	≥20% -<25%	Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2 H411 [CEy2: C ≥ 5 % CSk2: C ≥ 5 %]	Xi,N; R-36/38-43-51/53 [C ≥ 25 % \ Xi,N; R-36/38-43-51/53 5 % ≤ C < 25 % \ Xi; R-36/38-43-52/53 2,5 % ≤ C < 5 % \ Xi; R-43-52/53 1 % ≤ C < 2,5 % \ Xi; R-43]	CAS-No.: 25068-38-6 EC-No.: 500-033-5 Index-No: 603-074-00-8
Neopentyl glycol diglycidyl ether	≥5% - <10%	Skin Irrit. 2 H315, Skin Sens. 1 H317	Xi; R-38-43	CAS-No.: 17557-23-2 EC-No.: 241-536-7 Index-No: 603-094-00-7

For the full text of the phrases mentioned in this Section, see Section 16.

Hazardous impurities None known.

4. First aid measures

4.1. Description of first aid measures

Inhalation	Move to fresh air.
Skin contact	Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids. If easy to do, remove contact lens, if worn. Protect unharmed eye. If eye irritation persists, consult a specialist.
Ingestion	Rinse mouth. Do not induce vomiting without medical advice.

4.2. Most important symptoms and effects, both acute and delayed If you feel unwell, seek medical advice (show the label where possible). Allergic appearance

4.3. Indication of any immediate medical attention and special treatment needed None known.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use dry chemical, CO₂, water spray or alcohol foam.

Extinguishing media which must not be used for safety reasons No extinguishing agent constraints.

5.2. Special hazards arising from the substance or mixture The product itself does not burn. Hazardous decomposition products formed under fire conditions. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

5.3. Advice for firefighters

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. Do not use a solid water stream as it may scatter and spread fire.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel Use personal protective equipment. Avoid contact with skin and eyes. Do not breathe vapours/aerosol.

Advice for emergency responders Use personal protective equipment. Avoid contact with skin and eyes.

6.2. Environmental precautions Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable and closed containers for disposal. Clean contaminated surface thoroughly.

6.4. Reference to other sections See chapter 8 and 13.

7. Handling and storage

7.1. Precautions for safe handling Plan first aid action before beginning work with this product. Wear personal protective equipment. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities Ein Aufrufziel hat einen Ausnahmefehler verursacht.

7.3. Specific end use(s) Use only in accordance with our recommendations.

8. Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s) No data is available on the product itself.

8.2. Exposure controls

Occupational exposure controls General industrial hygiene practice. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing.

Personal protection equipment

Respiratory protection No personal respiratory protective equipment normally required. Breathing apparatus needed only when aerosol or mist is formed. Respirator with A/P2 filters.

Hand protection Protective gloves complying with EN 374. Gloves made of Nitril. Break through time: > 4 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. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Thermal hazards Do not heat the product.

Environmental exposure controls Prevent leaks and prevent soil / water pollution caused by leaks.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form Paste.
Colour Light grey.
Odour Characteristic.
Odour Threshold No information available.
pH: not applicable
Melting point/range: No information available.
Boiling point/range: No information available.
Flash point: does not flash

Evaporation Rate: No information available.
Flammability: No information available.
Explosion limits: No information available.
Vapour pressure: No information available.
Vapor density: No information available.
Relative density: 1.7

Water solubility: practically insoluble

Partition coefficient (n-octanol/water): No information available.



Autoignition temperature:	No information available.
Decomposition temperature:	No information available.
Viscosity:	No information available.
Combustion/explosion hazards:	not hazardous
Oxidizing properties:	None

9.2. Other information

General Product Characteristics	No information available.
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10. Stability and reactivity

10.1. Reactivity	See section 10.3
10.2. Chemical stability	Stable at normal conditions. No decomposition if stored and applied as directed.
10.3. Possibility of hazardous reactions	No hazards to be specially mentioned.
10.4. Conditions to avoid	Avoid temperatures above 60°C, direct sunlight and contact with sources of heat. Burning produces obnoxious and toxic fumes.
10.5. Incompatible materials	Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
10.6. Hazardous decomposition products	None under normal use.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity	No data is available on the product itself.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Severe eye irritation.
Respiratory / Skin Sensitisation	Causes sensitization. May cause allergic skin reaction.
Carcinogenicity	Carcinogenicity classification not possible from current data.
Germ cell mutagenicity	Classification not possible from current data.
Reproductive toxicity	Classification not possible from current data.
Specific target organ toxicity (single exposure)	No data available.
Specific target organ toxicity (repeated exposure)	No data available.
Aspiration hazard	No aspiration toxicity classification.
Human experience	No data is available on the product itself.

12. Ecological information

12.1. Toxicity	No data is available on the product itself.
12.2. Persistence and degradability	No data is available on the product itself.
12.3. Bioaccumulative potential	No data is available on the product itself.
12.4. Mobility in soil	No data is available on the product itself.
12.5. Results of PBT and vPvB assessment	This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
12.6. Other adverse effects	water contaminating (self-estimation).

13. Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products	Do not put residues of product into household waste. It should be given in the original package to the official waste disposal authorities. Do not empty into drains. Product rest to be treated as hazardous waste. 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	Dispose of as unused product. Empty packaging should be taken for local recycling, recovery or waste disposal.

14. Transport information

ADR/RID	Not required.
IMO	Not required.
ICAO	Not required.
Further Information	Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

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

Regulatory Information	The product is classified and labelled according to Regulation (EC) No. 1272/2008 (GHS/CLP). Take note of Dir 94/33/EC on the protection of young people at work.
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**Bisphenol A-epichlorohydrin polymer (CAS 25068-38-6)**EU - No-Longer Polymers List NLP No. 500-033-5
(67/548/EEC)

EU - REACH (1907/2006) - List of Registered Substances Present

15.2. Chemical safety assessment Not required.

16. Other information

Revision Note	Rectification of concentration marking (chap.3)
Key or legend to abbreviations and acronyms	CLP: Classification according to Regulation (EC) No. 1272/2008 (GHS/CLP) DSD/DPD: Classification according to EU Directives 67/548/EEC or 1999/45/EC VOC: Volatile organic compounds (VOC) content
Key literature references and sources for data	Ein Aufrufziel hat einen Ausnahmefehler verursacht.
Classification procedure	Calculation method.
Full text of phrases referred to under sections 2 and 3	H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H411: Toxic to aquatic life with long lasting effects. H412: Harmful to aquatic life with long lasting effects. R36/38: Irritating to eyes and skin. R38: Irritating to skin. 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.
Training advice	For further information, refer to the product technical data sheet.
Further information	Take notice of the directions of use on the label.
Instructions for use	Restricted to professional users. Attention - Avoid exposure - obtain special instructions before use. Keep away from children.
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. It is not to be considered a warranty or quality specification.