

Safety Data Sheet

RESIN BASE

Replaces date: 05/11/2019

Revision date: 07/04/2022
Version: 1.0.1

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

1.1. Product identifier

Trade name: RESIN BASE
Unique Formula Identifier (UFI): 92C0-0SFX-GR32-DRDS

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

Recommended uses: Mainly used for: relining

1.3. Details of the supplier of the safety data sheet

Supplier

Company: SACPRO AB
Address: Källviksvägen 10
Zip code: 791 52
City: Falun
Country: SWEDEN
E-mail: info@sacpro.se
Phone: +46 23 79 06 50

1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24)).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Skin Irrit. 2;H315 Skin Sens. 1;H317 Eye Irrit. 2;H319 Aquatic Chronic 2;H411
Most serious harmful effects: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Pictograms



Signal word: Warning

Contains

Substance: Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700); Epoxy Novolac; 1,6-Hexandioldiglycidyleter;

Hazard Statements

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

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H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+352 IF ON SKIN: Wash with plenty of soap and water.
 P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P501 Dispose of contents/container in accordance with local regulation.

Supplemental information

EUH205 Contains epoxy constituents. May produce an allergic reaction.

2.3. Other hazards

When mixing two components, consult the safety data sheets for both components.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes	CLP-classification
Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)	25068-38-6 500-033-5 01-2119456619-26	60 - 100%		Skin Irrit. 2;H315 Skin Sens. 1;H317 Eye Irrit. 2;H319 Aquatic Chronic 2;H411
Epoxy Novolac	9003-36-5 500-006-8 01-2119454392-40-0003	10 - 30%		Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Chronic 2;H411
1,6-Hexandioldiglycidyleter	933999-84-9 618-939-5 01-2119463471-41	5 - 10%		Skin Irrit. 2;H315 Skin Sens. 1;H317 Eye Irrit. 2;H319 Aquatic Chronic 3;H412

Please see section 16 for the full text of H- / EUH-phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Seek fresh air. Seek medical advice in case of persistent discomfort.

Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Do not induce vomiting. Seek medical advice in case of persistent discomfort.

Skin contact: Wash skin with soap and water. Do not use organic solvents. Take off contaminated clothing and wash before reuse. Seek medical advice in case of persistent discomfort.

Eye contact: Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice. If the epoxy resin has been mixed with the hardener, rinse the eyes with water immediately and get medical attention immediately. Continue to rinse.

General: Eye wash facilities must be available when handling this product.

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

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Contact with the skin may cause irritation and allergic contact eczema.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguish with powder, foam, carbon dioxide or water mist.

Unsuitable extinguishing media: Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Not flammable, but combustible. Hazardous fumes are formed in fire conditions. Carbon monoxide and carbon dioxide.

5.3. Advice for firefighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

Other Information: Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Keep unnecessary people away, isolate hazard area and deny entry. Wear suitable protective clothing. Wear safety goggles if there is a risk of eye splash.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water. Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 7 for handling and storage. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Put lids on containers immediately after use. All work must be carried out under well-ventilated conditions. Wash hands before breaks, before using restroom facilities, and at the end of work. Do not eat, drink or smoke during work.

7.2. Conditions for safe storage, including any incompatibilities

Store in a dry, cool, well-ventilated area. Keep in tightly closed original packaging.

7.3. Specific end use(s)

Polymerise together with part B during heat emission. Wear suitable protective clothing.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit: Contains no substances subject to reporting requirements

Legal basis: None known.

8.2. Exposure controls

Personal protective equipment, eye/face protection: Wear safety goggles/face protection. Eye protection must conform to EN 166.

Personal protective equipment, skin protection: Wear suitable protective clothing.

Personal protective equipment, hand protection: Wear gloves. Type of material: Nitrile rubber/ Butyl rubber. Penetration time of glove material: 3 hours. We have reduced the penetration time by a factor of 3, when the test standard EN 374-3 is done at 23°C, while the temperature inside the glove is approx. 35°C. In addition, the elastic material extends during use, thereby glove thickness and penetration time is reduced. Recommended thickness of the glove is ≥ 0.4 mm. Selection of the suitable gloves does not only depend on the material, but also on quality and these will vary between manufacturers.

Personal protective equipment, respiratory protection: When grinding not completely cured product, use special gas cartridge A / P3 (organic substances / especially fine dust).

Other Information: Wash hands before breaks, before using restroom facilities, and at the end of work. Take off contaminated clothing and wash before reuse.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Liquid
Colour	Orange
Odour	Weak
Solubility	Miscible with the following: Organic solvents.

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	> 150 °C	760mmHg
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Flash Point	> 150 °C	
Auto-ignition temperature	> 150 °C	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	No data	
Viscosity	2 Pas	25°C
Partition coefficient n-octanol/water	No data	
Vapour pressure	No data	



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Density	1,1 g/cm ³	20°C
Relative density	No data	
Vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

9.2. Other information

Parameter	Value/unit	Remarks
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Other Information: Solubility in water: Insoluble

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

Reacts under heat generation with the following: Amines.

10.4. Conditions to avoid

Avoid contact with the following: Acids/ Oxidisers.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Hazardous fumes are formed in fire conditions. Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - oral

Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700), cas-no 25068-38-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		15000 mg/kg			

Epoxy Novolac, cas-no 9003-36-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 10000mg/kg			

1,6-Hexandioldiglycidyleter, cas-no 933999-84-9

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		2190 mg/kg			

If ingested, can be irritating to mucous membranes of the mouth and gastrointestinal tract.

Acute toxicity - dermal

Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700), cas-no 25068-38-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		23000 mg/kg			

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Epoxy Novolac, cas-no 9003-36-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000mg/kg			

1,6-Hexandioldiglycidyleter, cas-no 933999-84-9

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 2000mg/kg			

May cause reddening and sensitization or other allergic response.

Acute toxicity - inhalation: Inhalation of spray mist is irritating to the upper airways.

Skin corrosion/irritation: May cause sensitisation by skin contact.

Serious eye damage/eye irritation: May cause eye irritation.

Respiratory sensitisation or skin sensitisation: May cause sensitisation by skin contact.

11.2. Information on other hazards

Other toxicological effects: Toxicological data are only available for the components, not for the mixture.

SECTION 12: Ecological information

12.1. Toxicity

Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700), cas-no 25068-38-6

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Leuciscus idus	96h	LC50	2 mg/l			
Crustacea	Daphnia magna	48h	EC50	1.8 mg/l			
Algae		72h	EC50	11 mg/l			

Epoxy Novolac, cas-no 9003-36-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Crustacea	Daphnia magna	48h	LC50	2.55 mg/l			
Algae		72h	LC50	1.8 mg/l			
Fish	Leuciscus idus	96h	EC50	2.54 mg/l			

1,6-Hexandioldiglycidyleter, cas-no 933999-84-9

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Crustacea		48h	EC50	47 mg/l			
Algae		48h	EC50	23.1 mg/l			
Fish	Leuciscus idus	96h	LC50	30 mg/l			

No results from ecotoxicological tests are available. Ecotoxicological information only related to components.

12.2. Persistence and degradability

Non-biodegradable.

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

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Test data are not available.

12.5. Results of PBT and vPvB assessment

Not applicable

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Destruction according to local regulations.

Disposal methods: May be disposed of by mixing with the right amount of hardener.

Contaminated packaging: Put the empty container up-side-down. Use a tool to completely empty the container. Sort the waste according to local regulations.

Category of waste: 08 01 11* waste paint and varnish containing organic solvents or other hazardous substances
15 01 10* packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	3082	14.4. Packing group:	III
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700))	14.5. Environmental hazards:	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
14.3. Transport hazard class(es):	9		
Hazard label(s):	9		
Hazard identification number:	90	Tunnel restriction code:	-

Inland water ways transport (ADN)

14.1. UN number or ID number:	3082	14.4. Packing group:	III
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700))	14.5. Environmental hazards:	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
14.3. Transport hazard class(es):	9		
Hazard label(s):	9		
Transport in tank vessels:			

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Sea transport (IMDG)

14.1. UN number or ID number: 3082 14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)) 14.3. Transport hazard class(es): 9 Hazard label(s): 9 EmS: F-A, S-F	14.4. Packing group: III 14.5. Environmental hazards: The product must be labelled as a Marine Pollutant (MP) in packaging sizes of more than 5 kg/l. Environmental Hazardous Substance Name(s): IMDG Code segregation group: - None -
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Air transport (ICAO-TI / IATA-DGR)

14.1. UN number or ID number: 3082 14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)) 14.3. Transport hazard class(es): 9 Hazard label(s): 9 14.6. Special precautions for user	14.4. Packing group: III 14.5. Environmental hazards: The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l. 14.7. Maritime transport in bulk according to IMO instruments
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SECTION 15: Regulatory information

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

Special Provisions: This product is assessed and classified in accordance with the requirements of the European Parliament and Council Regulation (EC) No 1272/2008 and subsequent amendments.

15.2. Chemical Safety Assessment

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
1.0.1	07/04/2022	SACPRO AB	UFI
1.0.0	05/11/2019	SACPRO AB	Approved

Abbreviations: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)IMDG: International Maritime Code for Dangerous GoodsIATA: International Air Transport AssociationIATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)ICAO: International Civil Aviation OrganizationICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)GHS: Globally Harmonized System of Classification and Labelling of ChemicalsEINECS: European Inventory of Existing Commercial Chemical

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SubstancesCAS: Chemical Abstracts Service (division of the American Chemical Society)DNEL: Derived No-Effect Level (REACH)PNEC: Predicted No-Effect Concentration (REACH)LC50: Lethal concentration, 50 percentLD50: Lethal dose, 50 percent

Other Information:

The information contained herein is based on the best of our knowledge and shall describe our product under the aspect of safety. They are not meant to guarantee specific properties of the product. Recipients of our product must take responsibility for observing existing laws and regulations.

Classification method:

Calculation based on the hazards of the known components.

List of relevant H-statements

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.

List of relevant EUH-statements

EUH205 Contains epoxy constituents. May produce an allergic reaction.

SDS is prepared by

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