

TCC Materials
2025 Centre Pointe Boulevard
Mendota Heights, MN 55120-1221

Emergency Telephone Number:
651-688-9116
Information Telephone Number
651-688-9116

Revision Date
August 2023

Section 1: Product Identification

Product Type: Sealant & Adhesive

Product Name:
Epoxy Crack Repair - Resin

Section 2: Hazard Identification

Classification of the substance or mixture:



GHS07

Skin Irrit. 2
H315: Causes skin irritation.
Eye Irrit. 2A
H319: Causes serious eye irritation.
Skin Sens. 1
H317: May cause an allergic skin reaction.

This chemical has been evaluated according to GHS (Globally Harmonized System) and by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). This Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Signal Word: Warning

Hazard Statements:

Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.

Precautionary statements:

Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves.
Wear eye protection / face protection.
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Specific treatment (see on this label).
Wash contaminated clothing before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
IF ON SKIN: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:

NFPA Ratings (scale 0-4)

Health = 2

Fire = 1

Reactivity = 0

HMIS Ratings (scale 0-4)

Health = 2

Fire = 1

Physical Hazard = 0

Other hazards:

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

Section 3: Hazardous Ingredients/Composition

Chemical characterization: Mixtures

Description: Mixture

Hazardous components:

Chemical Name	CAS No	Weight-%
Epoxy Resin	25085-99-8	25-50%
1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane	17557-23-2	10-25%
Epoxy novolac	28064-14-4	10-25%
Benzyl alcohol	100-51-6	2.5-10%
Bisphenol A Epoxy Resin	25068-38-6	≤2.5%

Section 4: First Aid Measures

First Aid Measures**General Advice:**

Provide this SDS to medical personnel for treatment.

Inhalation:

Remove to fresh air if breathing is difficult, leave area to obtain fresh air. If breathing remains difficult, get medical attention. In case of unconsciousness, place patient stably in side position for transportation.

Skin Contact:

In case of contact, immediately wash skin with soap and water, rinse thoroughly. Remove and wash contaminated clothing before reuse or discard. If irritation persists, seek medical attention.

Eye Contact:

Immediately rinse opened eyes with plenty of running water for at least 20 minutes. Seek immediate medical attention.

Ingestion:

Rinse out mouth with water. Drink 1-2 glasses of water, but do not induce vomiting unless directed by medical personnel. Do not give liquids to a drowsy, convulsing, or unconscious person. If vomiting occurs, lean patient forward to maintain an open airway and prevent aspiration. Get immediate medical attention.

Most Important Symptoms and Effects, both Acute and Delayed

No further relevant information is available.

Indication of any Immediate Medical Attention and Special Treatment Needed

No further relevant information is available.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media:

CO₂, extinguishing powder or water spray. Fight larger fires with water spray. Use fire-fighting measures that suit the environment.

Specific Hazards Arising from the Substance or Mixture:

No further relevant information is available.

Advice for Firefighters:

Firefighters use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Protective Equipment:

Protective clothing and respiratory protective device.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Wear protective clothing as described in Section 8 of this safety data sheet.
Keep unprotected persons away.
Ensure adequate ventilation.

For Emergency Responders:

Restrict access to spill area.

Environmental precautions:

Minimize use of water to prevent environmental contamination. Prevent spill or rinse from contaminating storm drains, sewers, soil or groundwater.

Methods and Material for Containment and Cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust), shovel into suitable containers for disposal.
Dispose of contaminated material as waste in accordance with federal state and local regulations.
Ensure adequate ventilation.

Reference to other sections:

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

Section 7: Handling and Storage

Handling

Precautions for Safe Handling:

Avoid prolonged or repeated contact with skin.
Avoid contact with eyes.
Wash thoroughly after handling.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Wash thoroughly with soap and water after handling.
Avoid contact with clothing.
While handling product keep out of reach of children and pets.
Do not eat or drink while handling this material.
See Section 6 of this SDS for clean-up instructions.

Information about protection against explosions and fires:

No special measures required.

Conditions for Safe Storage, Including any Incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:**

Store in a cool location away from direct heat.

Information about storage in one common storage facility:

Store away from oxidizing agents.

Further information about storage conditions:

Keep receptacle tightly sealed.

Specific end use(s) No further relevant information available.

Section 8: Exposure Controls/Personal Protection

Additional information about design of technical systems:

No further data; see item 7.

Control parameters**Components with limit values that require monitoring at the workplace:**

100-51-6 Benzyl alcohol	WEEL Long-term value: 10 ppm
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Additional information: The lists that were valid during the creation were used as basis.

Exposure controls**Personal protective equipment (see listings below)****General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Breathing equipment:

Not necessary if room is well-ventilated.

Exposure Guidelines

Exposure guidelines / protective equipment are for routine handling and accidental spills.

Individual Protection Measures, such as Personal Protective Equipment

Hand Protection:

Protective Gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

Nitrile rubber, NBR

Chloroprene rubber, CR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/Face Protection:

Tightly sealed goggles.

Safety glasses with side shields.

Use full face shield over protective eye wear when there is a risk of a splash.

Skin and Body Protection:

Protective work clothing

Eye wash stations should be available.

General Hygiene Considerations:

Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before reuse.

Section 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

General Information

Appearance:

Form:

Liquid.

Color:

Light yellow color.

Odor:

Characteristic.

Odor Threshold:

Not determined.

pH:

Not determined.

Melting Point/Freezing Point:

Undetermined.

Boiling Point/Boiling Range:

Undetermined.

Flash Point:

94°C (201°F)

Flammability (Solid, Gas):

Not applicable.



Ignition Temperature:	Not determined.
Decomposition Temperature:	Not determined.
Auto Igniting:	Product is not self-igniting.
Danger of Explosion:	Product does not present an explosion hazard.
Flammable Limits – Upper:	Not determined.
Flammable Limits – Lower:	Not determined.
Vapor Pressure:	Not determined.
Specific Gravity @ 20°C (68°F):	1.13 g/cm ³ (9.43 lbs/gal)
Relative Density:	Not determined.
Vapor Density:	Not determined.
Evaporation Rate:	Not determined.
Solubility in /	
Miscibility with Water:	Not miscible or difficult to mix.
Partition coefficient	
(n-octanol/water):	Not determined.
Dynamic Viscosity:	Not determined.
Kinematic Viscosity:	Not determined.
Solids Content:	Not available.
Other Information:	No further relevant information available.

Section 10: Stability and Reactivity

Reactivity

No further relevant information available.

Chemical Stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Possibility of Hazardous Reactions

No dangerous reactions known.

Conditions to avoid

Exposure to high temperatures.
Moisture.

Incompatible Materials

Strong oxidizers, acids, and bases.

Hazardous Decomposition Products

Carbon monoxide and carbon dioxide.
Phenolics.

Section 11: Toxicological Information

Information on Toxicological Effects**Acute Toxicity:****Primary irritant effect:****Skin Contact:**

Irritant to skin and mucous membranes.

Eye Contact:

Causes serious eye irritation.

Sensitization:

Skin contact – Sensitization possible through skin contact.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant.

Carcinogenic categories:**IARC (International Agency for Research on Cancer):**

None of the ingredients is listed.

NTP (National Toxicological Program):

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients is listed.

Section 12: Ecological Information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional ecological information:

General notes: At present there are no ecotoxicological assessments.

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available.

Section 13: Disposal Considerations

Waste Treatment Methods**Recommendation:** Must be specially treated adhering to official regulations.**Uncleaned packagings:****Recommendation:** Disposal must be made according to official regulations.

Section 14: Transportation

UN-Number

DOT: Not regulated.

ADR, IMDG, IATA: UN3082

UN proper shipping name

DOT: Not regulated.

ADR: 3082 Environmentally hazardous substances, liquid,
n.o.s.IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (Epoxy Resin, epoxy novolac),
MARINE POLLUTANT

IATA: Environmentally hazardous substance, liquid, n.o.s.

Transport Hazard Class(es)

DOT: Not regulated.

ADR, IMDG, IATA



Class: 9 Miscellaneous dangerous substances and articles

Label: 9

Packing group

DOT: Not regulated

ADR, IMDG, IATA: III

Environmental hazards: Product contains environmentally hazardous
substances: Epoxy Resin**Marine pollutant:** Symbol (fish and tree)**Special marking (ADR):** Symbol (fish and tree)

Special marking (IATA): Symbol (fish and tree)

Special precautions for user: Warning: Miscellaneous dangerous substances and articles

Danger code (Kemler): 86

EMS Number: F-A, S-F

Stowage Category: A

Transport in bulk according to Annex II of MARPOL73/78 and the IBC:
Code Not applicable.

UN "Model Regulation": UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S., 9, III

Section 15: Regulatory Information

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

Sara

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

Proposition 65

Chemicals known to cause cancer:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

(DSL) Canada Domestic Substance List

All components of this product are on the DSL(Canada Domestic Substance list) or are exempt from DSL requirements.

New Jersey Right-to-Know List:

None of the ingredients is listed.

New Jersey Special Hazardous Substance List:

Specific end use(s) No further relevant information available.

Section 8: Exposure Controls/Personal Protection

Additional information about design of technical systems:

No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace:	
100-51-6 Benzyl alcohol	WEEL Long-term value: 10 ppm

Additional information:

The lists that were valid during the creation were used as basis.

Exposure controls**Personal protective equipment (see listings below)****General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Breathing equipment:

Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.

Individual Protection Measures, such as Personal Protective Equipment**Hand Protection:****Protective Gloves**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

Nitrile rubber, NBR.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.