

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:
Fast-Setting Anchoring Epoxy – Epoxy 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.

Label elements

GHS label elements: The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS07

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:

Cause skin irritation.
May cause 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.
Read label before use.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:

NFPA Ratings (scale 0-4)

Health = 1
Fire = 1
Reactivity = 0

HMIS Ratings (scale 0-4)

Health = 1
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	50-100%
glycerol	56-81-5	2.5-1.0%
titanium dioxide	13463-67-7	≤0.5%

Section 4: First Aid Measures

Description of first aid measures**Inhalation:**

Supply fresh air and to be sure call for a doctor. In case of unconsciousness, place patient stably in side position for transportation.

Skin Contact:

In case of contact, wipe excess from skin. 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 eye with plenty of running water for at least 20 minutes. If eye becomes irritated, obtain medical treatment.

Ingestion:

Rinse mouth with water.
Do not induce vomiting. Obtain medical advice.

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

Extinguishing Media**Suitable Extinguishing Agents:**

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 and Precautions for Firefighters:
Protective clothing and respiratory protective device.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Wear protective equipment.
Keep unprotected persons away.
Ensure adequate ventilation.

Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

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.
Open containers in a well ventilated area and avoid breathing headspace vapors.

Information about protection against explosions and fires:

No special measures required.

Storage

Conditions for Safe Storage, Including any Incompatibilities:

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:

Store in cool, dry conditions in well-sealed receptacles.

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:				
	CAS No	PEL	REL	TLV
glycerol	56-81-5	Long-term value: 15* 5** mg/m ³ mist; *total dust **respirable fraction		TLV withdrawn – insufficient data human occup. exp.
titanium dioxide	13463-67-7	Long-term value: 15* 5** mg/m ³ *total dust	See Pocket Guide App. A	Long-term value: 10 mg/m ³ withdrawn from NIC

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:

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.

Breathing equipment:

Not necessary if room is well-ventilated.

Protection of hands:

- Protective gloves.
- The glove material has to be impermeable and resistant to the product/ the substrate/ 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.

Eye protection:

Safety glasses with side shields.
Tightly sealed goggles.

Body protection:

Protective work clothing.

Section 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties**General Information****Appearance:****Form:**

Paste.

Color:

White.

Odor:

Characteristic.

Odor Threshold:

Not determined.

pH:

Not determined.

Melting Point:

Undetermined.

Boiling Point/Boiling Range:

Undetermined.

Flash Point:

>250°C (482°F).

Flammability (Solid, Gas):

Not applicable.

Ignition Temperature:

435°C (815°F)

Decomposition Temperature:

Not determined.

Auto Igniting:

Product is not self-igniting.

Danger of Explosion:

Product does not present an explosion hazard.

Vapor Pressure:

Not determined.

Specific Gravity @ 20°C (68°F):

1.29 g/cm³ (10.765 lb/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.

Solvent Content:**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:

Avoid high temperatures. Avoid freezing.

Incompatible Materials:

Reacts with oxidizing agents.

Hazardous Decomposition Products:

Carbon Monoxide, Carbon Dioxide, Aldehydes, acids.

Section 11: Toxicological Information

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

Skin irritant.

Eye Contact:

Causes serious eye Irritation.

Sensitization:

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):**

titanium dioxide	13463-67-7	2B
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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.

Ecotoxicological effects:

Remark: Toxic for fish

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, ADR, ADN, IMDG, IATA Not regulated.

UN proper shipping name

DOT, ADR, ADN, IMDG, IATA Not regulated.

Transport Hazard Class(es)

DOT, ADR, ADN, IMDG, IATA
Class Not regulated.

Packing group

DOT, ADR, IMDG, IATA Not regulated.

Environmental hazards: Not applicable.

Special precautions for user Not applicable.

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

UN "Model Regulation": Not regulated.

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

The state of California requires the following statement (Proposition 65) in regards to
this material:



WARNING: Cancer, Reproductive Harm - www.P65Warnings.ca.gov

(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:

glycerol	56-81-5
titanium dioxide	13463-67-7

New Jersey Special Hazardous Substance List:

None of the ingredients is listed.

Pennsylvania Right-to-Know List:

glycerol	56-81-5
titanium dioxide	13463-67-7

Pennsylvania Special Hazardous Substance List:

None of the ingredients is listed.

Carcinogenicity categories:

EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

Titanium dioxide	13463-67-7	A4
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MAK (German Maximum Workplace Concentration)

Titanium dioxide	13463-67-7	3A
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NIOSH-Ca (National Institute for Occupational Safety and Health)

Titanium dioxide	13463-67-7
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National regulations:

Water hazard class:

Water hazard class 2 (Self-assessment): hazardous for water.

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

Section 16: Other Information

Additional information on the products is available at: www.tccmaterials.com

Date of Preparation: August 22, 2023

Version: 1.4

NOTE: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products. Before using any product, read its label and safety data sheet.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International

Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2