



Safety Data Sheet

SAKRETE High-Strength Anchoring Epoxy

©Roberts Concrete Products (a TCC Materials company)
Version 1.1

Roberts Concrete Products
2025 Centre Point Boulevard, Suite 300
Mendota Heights, MN 55120-1221

Emergency Telephone Number:
651-688-9116
Information Telephone Number
651-905-8137

Revision Date
July 2018

Section 1: Product Identification

Product Identifier: Product Form; Sealant & Adhesive

Product Name:

SAKRETE High-Strength Anchoring Epoxy (Part A)

Section 2: Hazard Identification

GHS Classification

Health: Skin Sensitizer – Cat. 1B
Skin Irritant – Cat. 2
Eye Irritant – Cat. 2
Physical: Not classified
Environmental: Toxic to Aquatic Life – Cat. 2

GHS Label:

Hazard pictograms:



Signal Word: Warning

Hazard Statements:

Causes eye irritation.
Skin irritant.
May cause skin sensitization.

Emergency Overview

Avoid contact with the skin and eyes.
Avoid prolonged and/or repeated contact with skin.
Wear protective clothing.
Use with adequate ventilation.



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Primary Route of Exposure:

Eyes, skin and inhalation.

Carcinogenicity

This product contains titanium dioxide which IARC has classified as a Group 2B carcinogen (possibly carcinogenic to humans). Evidence is based on sufficient animal testing as a result of long-term inhalation at high concentrations of respirable amounts of titanium dioxide. Because this product is in liquid or paste form, it does not pose a dust hazard; therefore, **this classification is not relevant**. Note: sanding of this product will create a possible dust hazard.

This product or one of its ingredients present at 0.1% or more IS listed as a carcinogen or suspect carcinogen by NTP, IARC, Prop 65 or OSHA.

Section 3: Hazardous Ingredients/Composition

Composition / Information on Ingredients: (Part A)

Chemical Name	CAS No	Weight-%
Diglycidyl Ether of Bisphenol A	25085-99-8	40-70%
Titanium Dioxide	13463-67-7	1-5%
Non-Hazardous Proprietary Ingredients	Proprietary	30-50%

Section 4: First Aid Measures

Inhalation:

Move to fresh air; give oxygen if breathing is difficult.
Call a physician if symptoms persist.

Skin Contact:

Remove contaminated clothing.
Wash with mild soap and water.
Get medical attention if skin irritation or dermatitis persists.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes.
Call a physician if symptoms persist.

Ingestion:

Give plenty of water. DO NOT induce vomiting.
Call a physician immediately.

Other:

Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure.



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If sensitization occurs, future contact with the material should be avoided

Section 5: Fire Fighting Measures

Flash Point: >148°C (>300°F)
Flammability: Non- Flammable

Extinguisher Media

Carbon Dioxide, Dry Chemical, Water Fog

Unusual Fire and Explosion Hazard

None Known

Special Fire Fighting Procedures

Firefighters must wear self-contained breathing apparatus and full protective clothing to prevent contact with toxic and/or irritating fumes.

Section 6: Accidental Release Measures

Personal Precautions:

Avoid all personal contact. In enclosed areas, cleanup personnel should wear self-contained breathing apparatus.

Environmental precautions:

Avoid all personal contact, scoop up with spade and place in disposable metal container.

Section 7: Handling and Storage

Handling and Storage

Store in a cool dry place out of direct rays of the sun. Keep from freezing. Recommended storage temperatures range in between 4° and 35° C (40°F and 95° F).

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines	CAS No	PEL	TLV
Titanium Dioxide (Total Dust)	13463-67-7	15* mg/m ³	10 mg/m ³



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Engineering Measures:

Use local and general exhaust ventilation to maintain airborne concentrations below TLV. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operational procedures demand it.

Personal Protective Equipment

Respiratory Protection

None normally required. Use a NIOSH – approved organic vapor chemical cartridge Respirator when air movement is inadequate to control vapor build-up.

Eye/Face Protection

Wear splash proof chemical goggles/ full face shield if there is a potential for splashing.

Skin / Body Protection

Wear Suitable gloves (neoprene, nitrile rubber or PVC).

Other Protective Clothing or Equipment

Wear appropriate apparel to prevent skin contact.

Section 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Appearance:	White paste.
Evaporation Rate:	Non-volatile.
Odor:	Slight Odor.
Water Solubility:	Insoluble.
Specific Gravity (H₂O=1):	1.58
Vapor Density (Air=1)	Non-volatile.
Vapor Pressure:	N/A
VOC Content:	See section 9 of part B for VOC content
pH:	Not determined.
Boiling Point:	Not determined.

Section 10: Stability and Reactivity

Stability: Stable.

Hazardous Reactions: Non-hazardous when stored and handled according to instructions.



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Thermal Decomposition: Stable under normal conditions.

Incompatibility: Strong acids, peroxides and other oxidizing agents.

Conditions to avoid: Exposure to excessive heat and storage above 35°C (95°F) will shorten shelf life.

Section 11: Toxicological Information

Toxicological Information

Acute Oral Toxicity:

Not Determined

Acute Dermal Toxicity:

Not Determined

Acute Inhalation Toxicity:

Not Determined

Skin Irritation:

Irritant

The product has not been tested. The statement has been derived from the properties of the individual components.

Eye Irritation:

Irritant

The product has not been tested. The statement has been derived from the properties of the individual components.

Respiratory Irritation:

Inhalation of vapors or mists may cause irritation to the respiratory system.

Sensitization:

May cause allergic skin reaction and irritation to the respiratory system.

The product has not been tested. The statement has been derived from the properties of the individual components.

Carcinogenicity Classification:

(Titanium Dioxide) – See Part A Section 2.

IARC Group 2B: Possibly carcinogenic to humans.



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Section 12: Ecological Information

Acute Toxicity for:

Fish:

Diglycidyl Ether of Bisphenol A:
Fathead minnow/LC50 (96 hrs.: >3.1 mg/l

Aquatic Invertebrates:

Diglycidyl Ether of Bisphenol A:
Water Flea Daphnis/EC 50 (48hrs): >1.4mg/l

Algae:

No data available.

Microorganisms:

Diglycidyl Ether of Bisphenol A:
Bacteria, (Growth inhibition) IC50 (18hrs.): >42.6mg/l

Mobility:

Considering the use of the substance, it is unlikely that significant environmental exposure in the air or water will arise.

Section 13: Disposal Considerations

If the material as supplied becomes a waste, dispose in accordance with federal, state and local regulations.

Section 14: Transportation

This product is not regulated as a hazardous material for transportation.

Section 15: Regulatory Information

HMIS Rating	
Health	*2
Flammability	1
Physical Hazard	0
PPE	B



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NFPA Rating



Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

Federal Regulations:

SARA Title 313 Chronic Health Hazard



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

TSCA Listed

State Regulations:

State RTK
NJ, MA, PA

CAS #
13463-67-7

Chemical Name
Titanium Dioxide

Section 16: Other Information

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

Date of Preparation: July 1, 2018
 Version: 1.1

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651-905-8137

Section 1: Product Identification

Product Identifier: Product Form; Sealant & Adhesive

Product Name:

SAKRETE High-Strength Anchoring Epoxy (Part B)

Section 2: Hazard Identification

GHS Classification

Health: Skin Corrosion – Cat. 1
 Serious Eye Damage – Cat. 1
 Reproductive Tox. – Cat. 2

Physical: Not classified

Environmental: Toxic to Aquatic Life – Cat. 2

GHS Label:

Hazard pictograms:



Signal Word: Danger

Hazard Statements:

Corrosive to skin and eyes.
Skin irritant.
Reproductive toxicity

Emergency Overview

Causes skin burns.
Causes severe eye damage.
Heated vapors can cause irritation.
Avoid contact with the skin and eyes.
Avoid breathing fume/gas/mist/vapors/spray.



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Wear protective gloves/ protective clothing/ eye protection/ face protection.
Use outdoors or in a well-ventilated area.

Primary Route of Exposure

Eyes, skin and inhalation.

Carcinogenicity

This product or one of its ingredients present at 0.1% or more is NOT listed as a carcinogen or suspect carcinogen by NTP, IARC, Prop 65 or OSHA.

Section 3: Hazardous Ingredients/Composition

Composition / Information on Ingredients: (Part B)

Chemical Name	CAS No	Weight-%
Nonylphenol	84852-15-3	10-20%
n-aminoethylpiperazine	140-31-8	5-10%
Non-Hazardous Proprietary Ingredients	Proprietary	60-80%

Section 4: First Aid Measures

Inhalation:

Move to fresh air; give oxygen if breathing is difficult.

Call a physician if symptoms persist.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes.

Call a physician if symptoms persist.

Skin Contact:

Remove contaminated clothing.

Wash with mild soap and water.

Get medical attention if skin irritation or dermatitis persists.

Ingestion:

Give plenty of water.

DO NOT induce vomiting.

Call a physician immediately.

Other:

Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure.

If sensitization occurs, future contact with the material should be avoided.



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Section 5: Fire Fighting Measures

Flash Point: >93°C (>200°F)
Flammability: Non- Flammable

Extinguisher Media

Carbon Dioxide, Dry Chemical, Water Fog

Unusual Fire and Explosion Hazard

None Known

Special Fire Fighting Procedures

Firefighters must wear self-contained breathing apparatus and full protective clothing to prevent contact with toxic and/or irritating fumes.

Section 6: Accidental Release Measures

Personal Precautions:

Avoid all personal contact. In enclosed areas, cleanup personnel should wear self-contained breathing apparatus.

Environmental precautions:

Avoid all personal contact, scoop up with spade and place in disposable metal container.

Section 7: Handling and Storage

Handling and Storage

Store in a cool dry place out of direct rays of the sun. Keep from freezing.
Recommended storage temperatures range in between 4° and 35° C (40°F and 95° F).

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines

Engineering Measures:

Use local and general exhaust ventilation to maintain airborne concentrations below TLV. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operational procedures demand it.



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Personal Protective Equipment

Respiratory Protection

None normally required. Use a NIOSH – approved organic vapor chemical cartridge Respirator when air movement is inadequate to control vapor build-up.

Eye/Face Protection

Wear splash proof chemical goggles/ full face shield if there is a potential for splashing.

Skin / Body Protection

Wear Suitable gloves (neoprene, nitrile rubber or PVC).

Other Protective Clothing or Equipment

Wear appropriate apparel to prevent skin contact.

Section 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Appearance:	Black paste.
Evaporation Rate:	Non-volatile.
Odor:	Slight Amine Odor.
Water Solubility:	Insoluble.
Specific Gravity (H₂O=1):	1.69
Vapor Density (Air=1)	Non-volatile.
Vapor Pressure:	N/A
VOC Content:	0 g/L (tested per EPA CFR 40, Part 63, Subpart PPPP, Appendix A) 22 g/L (tested per EPA CFR 40, Part 60, method 24)
pH:	Not determined.
Boiling Point:	Not determined.

Section 10: Stability and Reactivity

Stability:	Stable.
Hazardous Reactions:	Non-hazardous when stored and handled according to instructions.
Thermal Decomposition:	Stable under normal conditions.



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Incompatibility: Strong acids, peroxides and other oxidizing agents.

Conditions to avoid: Exposure to excessive heat and storage above 35°C (95°F) will shorten shelf life.

Section 11: Toxicological Information

Toxicological Information

Acute Oral Toxicity:

Not Determined.

Acute Dermal Toxicity:

Not Determined.

Acute Inhalation Toxicity:

Not Determined.

Skin Irritation:

Corrosive to skin.

The product has not been tested. The statement has been derived from the properties of the individual components.

Eye Irritation:

Severe damage to eyes.

The product has not been tested. The statement has been derived from the properties of the individual components.

Respiratory Irritation:

Inhalation of vapors or mists may cause irritation to the respiratory system.

Sensitization:

May cause allergic skin reaction and irritation to the respiratory system.

The product has not been tested. The statement has been derived from the properties of the individual components.

Maternal Toxicity:

Nonylphenol causes maternal toxic effects per animal testing.



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Carcinogenicity Classification:

This product or one of its ingredients present at 0.1% or more is NOT listed as a carcinogen or suspect carcinogen by NTP, IARC, Prop 65 or OSHA.

Section 12: Ecological Information

Acute Toxicity for:

Fish:

Nonylphenol:

Fathead minnow/LC50 (96hrs): 0.135mg/l

Aquatic Invertebrates:

Nonylphenol:

Water Flea Daphnis/EC 50 (48hrs): 0.14mg/l

Algae:

Nonylphenol:

Green Algae/EC 50 (96hrs): 0.41mg/l

Microorganisms:

No Data Available

Mobility:

Considering the use of the substance, it is unlikely that significant environmental exposure in the air or water will arise.

Section 13: Disposal Considerations

If the material as supplied becomes a waste, dispose in accordance with federal, state and local regulations.

Section 14: Transportation

DOT (US)

CARTRIDGE: Limited Quantity, LTD QTY

***BULK:** AMINES, LIQUID, CORROSIVE, N.O.S. (aminoethylpiperazine, 4-Nonylphenol, branched), Class 8, UN 2735, PG III

*Bulk packaging in quantities of 1.3 gallons (net) or less are packaged in accordance with the limited quantity exception.



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IATA/ICAO

CARTRIDGE/BULK: AMINES, LIQUID, CORROSIVE, N.O.S. (aminoethylpiperazine, 4-Nonylphenol, branched), Class 8, UN 2735, PG III

IMDG

CARTRIDGE/BULK: AMINES, LIQUID, CORROSIVE, N.O.S. (aminoethylpiperazine, 4-Nonylphenol, branched), Class 8, UN 2735, PG III

Section 15: Regulatory Information

HMIS Rating	
Health	*2
Flammability	1
Physical Hazard	0
PPE	B

NFPA Rating



Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

Federal Regulations:

SARA Title 313 Acute Health Hazard

CA Prop 65 Not Regulated

TSCA Listed

State Regulations:

State RTK	CAS #	Chemical Name
NJ, MA, PA	140-31-8	n-aminoethylpiperazine



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Section 16: Other Information

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