

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev03.

Created On: 03/20/2014

Reviewed On: 04/06/2016

1. Product and Company Identification

Product Name: EP-GEL FAST (Part A)**Product Use:** Anchoring**Company Identification:**

E-Chem, LLC
4102 El Rey Rd. SE
Albuquerque, NM 87105
Contact Phone: 505.217.2121
(7:00a.m. – 4:00p.m. MST)

Emergency Phone:

ChemTrec:
1.800.424.9300 (24hrs)
Outside the US, call collect 703.527.3887

2. Hazards Identification (Part A)

GHS Classification

Health	Physical	Environmental
Skin Sensitizer - Cat. 1B Skin Irritant - Cat. 2 Eye Irritant - Cat. 2	Not Classified	Toxic to Aquatic Life Cat-2

GHS Label:

Warning:

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

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.

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3. Composition/ Information on Ingredients (Part A)

<u>CAS Number</u>	<u>Content %</u>	<u>Chemical Name</u>
25085-99-8	40 – 70	Diglycidyl Ether of Bisphenol A
13463-67-7	1 – 5	Titanium Dioxide
Proprietary	30 – 50	Non-Hazardous Proprietary Ingredients

4. First Aid Measures (Part A)

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

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

Skin: 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.

5. Fire Fighting Measures (Part A)

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.

6. Accidental Release Measures (Part A)

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.

7. Handling and Storage (Part A)

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).

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8. Exposure Control and Personal Protection (Part A)**Exposure Guidelines**

Component	CAS #	OSHA, PEL	ACGIH, TWA
Titanium Dioxide (Total Dust)	13463-67-7	15 mg/m ³	10mg/ m ³

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.

9. Physical and Chemical Properties (Part A)

Appearance:	White Paste
Evaporation Rate:	Non-volatile
Odor:	Slight Odor
Water Solubility:	Insoluble
Specific Gravity (H ₂ O=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:	N/D
Boiling Point:	N/A

10. Stability and Reactivity (Part A)

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

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11. Toxicological Information (Part A)**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 Group2B: Possibly carcinogenic to humans.

12. Ecological Information (Part A)**Acute Toxicity for:****Fish:**

Diglycidyl Ether of Bisphenol A:

Fathead minnow/LC50 (96hrs): >3.1mg/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.

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13. Disposal Considerations (Part A)

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

14. Transportation Information (Part A)

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

15. Regulatory Information (Part A)

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

Chronic Health Hazard

CA Prop 65

This product contains a chemical or chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

TSCA

Listed

State Regulations:

State RTK
NJ, MA, PA

CAS #
13463-67-7

Chemical Name
Titanium Dioxide

16. Other Information (Part A)

Hazard Communication: This SDS has been prepared in accordance with the federal OSHA Hazard Communication Standard.

To the best of our knowledge, the information contained herein is accurate. However, E-Chem does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Additional information is available upon request.

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1. Product and Company Identification

Product Name: EP-GEL FAST (Part B)

Product Use: Anchoring

Company Identification:

E-Chem, LLC
 4102 El Rey Rd. SE
 Albuquerque, NM 87105
 Contact Phone: 505.217.2121
 (7:00a.m. – 4:00p.m. MST)

Emergency Phone:

ChemTrec:
 1.800.424.9300 (24hrs)
 Outside the US, call collect 703.527.3887

2. Hazards Identification (Part B)

GHS Classification

Health	Physical	Environmental
Skin Corrosion Cat 1 Serious Eye Damage Cat 1 Reproductive Tox Cat 2	Not Classified	Toxic to Aquatic Life Cat-2

GHS Label:

Danger:



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
 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.

3. Composition/ Information on Ingredients (Part B)

<u>CAS Number</u>	<u>Content %</u>	<u>Chemical Name</u>
140-31-8	5 – 10	n-aminoethylpiperazine
84852-15-3	10 – 20	Nonylphenol
Proprietary	60 - 80	Non-Hazardous Proprietary Ingredients

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4. First Aid Measures (Part B)

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

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

Skin: 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.

5. Fire Fighting Measures (Part B)

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.

6. Accidental Release Measures (Part B)

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.

7. Handling and Storage (Part B)

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).

8. Exposure Control and Personal Protection (Part B)

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.

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.

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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.

9. Physical and Chemical Properties (Part B)

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:	N/D
Boiling Point:	N/A

10. Stability and Reactivity (Part B)

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

11. Toxicological Information (Part B)

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.

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Created On: 03/20/2014

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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.

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.

12. Ecological Information (Part B)**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.

13. Disposal Considerations (Part B)

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

14. Transportation Information (Part B)**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/CAO**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

15. Regulatory Information (Part B)

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

16. Other Information (Part B)

Hazard Communication: This SDS has been prepared in accordance with the federal OSHA Hazard Communication Standard.

To the best of our knowledge, the information contained herein is accurate. However, E-Chem does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Additional information is available upon request.