

Issue date 09/16/2024

Version 1

1. Identification

Product Identifier

Product Name 1440 Rigid Plastic Repair Material - Resin

Other means of identification

SDS # 1440 Rigid Plastic Repair Material - Resin

Recommended use of the chemical and restrictions on use

Recommended Use Repair Adhesive/Surfacers.

Details of the supplier of the safety data sheet

Supplier Address

Seymour of Sycamore	Seymour of Sycamore
917 Crosby Avenue	3041 Dougall Avenue, Suite 503
Sycamore, IL 60178 USA	Windsor, ONT N9E 1S3 CANADA

Emergency Telephone Number

Company Phone Number 815-895-9101 | 800-435-4482 (Canada)
Emergency Telephone (24 hr) 1-800-255-3924

2. Hazards Identification

Appearance Black Liquid

Physical State Liquid

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1

Signal Word

Warning

Hazard Statements

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



Precautionary Statements - Prevention

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

Precautionary Statements - Response

Immediately call a poison center or doctor/physician
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention
 IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse
 If skin irritation or rash occurs: Get medical advice/attention

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other hazards

Toxic to aquatic life with long lasting effects

Unknown Acute Toxicity

5-10% of the mixture consists of ingredient(s) of unknown toxicity

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3. Composition/Information On Ingredients

Chemical Name	CAS No	Weight-%
Polymer of epichlorohydrin and bisphenol A	25085-99-8	80-90
Amorphous Silica	67762-90-7	5-10
(3-Glycidyloxypropyl)trimethoxysilane	2530-83-8	1-5

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-Aid Measures

First Aid Measures

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation or rash occurs: Get medical advice/attention.
Inhalation	Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician / poison center if individual's condition declines or if symptoms persist.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms	Eye, skin, and/or respiratory irritation. Exposed individuals may experience eye tearing, redness and discomfort. Will cause gastrointestinal tract irritation.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. Fire-Fighting Measures

Suitable Extinguishing Media CO2, dry chemical, foam and water fog.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical Product is not flammable.

Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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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.
Environmental Precautions	Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so. Contain with inert material.
Methods for Clean-Up	Soak up with inert absorbent material. Place in appropriate containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

7. Handling And Storage

Precautions for safe handling

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Keep out of the reach of children. Wash face, hands, and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace.
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Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep locked up and out of reach of children.
Incompatible Materials	Acids, Amines, Mercaptans, Strong oxidizing agents.

8. Exposure Controls/Personal Protection

Exposure Guidelines

Appropriate engineering controls

Engineering Controls	Mechanical ventilation or local exhaust ventilation is recommended.
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Individual protection measures, such as personal protective equipment

Eye/Face Protection	Goggles.
Skin and Body Protection	Solvent resistant gloves. Wear suitable protective clothing.
Respiratory Protection	Wear an appropriate NIOSH/MSHA approved respirator if ventilation is inadequate.
General Hygiene Considerations	Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SDS. Launder contaminated clothing before reuse.

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9. Physical And Chemical Properties

Information on basic physical and chemical properties

Physical State : Liquid

Appearance: Blue liquid

Color: Blue

Odor: Not determined

Odor Threshold: Not determined

Property	Values	Remarks • Method
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	> 93.33 °C / > 200 °F	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Material V.O.C.	Negligible	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	1.17	(1=Water)
Water Solubility	Insoluble in water	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. Stability And Reactivity

Reactivity	Not reactive under normal conditions
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to Avoid	Heat, flames and sparks. Keep out of reach of children.
Incompatible Materials	Acids, Amines, Mercaptans, Strong oxidizing agents.
Hazardous Decomposition Products	HES, AMINES, CO, CO2, H2S, SO2, NO2.

11. Toxicological Information

Information on likely routes of exposure

Product Information

Eye Contact	Causes serious eye irritation.
Skin Contact	Causes skin irritation. Prolonged contact may cause redness and irritation.
Inhalation	May cause irritation if inhaled.
Ingestion	May cause gastrointestinal irritation, nausea, diarrhea, and vomiting.

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Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Polymer of epichlorohydrin and bisphenol A 25085-99-8	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	
(3-Glycidyloxypropyl)trimethoxysilane 2530-83-8	= 22600 µL/kg (Rat)	= 3970 µL/kg (Rabbit)	

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization May cause an allergic skin reaction.

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity Toxic to aquatic life with long lasting effects.

Unknown Acute Toxicity 5-10% of the mixture consists of ingredient(s) of unknown toxicity.

12. Ecological Information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Persistence/Degradability Not determined.

Bioaccumulation Not determined.

Mobility Not determined.

Other Adverse Effects Not determined.

13. Disposal Considerations

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated

IATA Not regulated

IMDG Marine Pollutant This material may meet the definition of a marine pollutant

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15. Regulatory Information

International Inventories Not determined.

Legend:

- **TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- **DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- **EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- **ENCS** - Japan Existing and New Chemical Substances
- **IECSC** - China Inventory of Existing Chemical Substances
- **KECL** - Korean Existing and Evaluated Chemical Substances
- **PICCS** - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

SARA 313 Not determined

US State Regulations

U.S. State Right-to-Know Regulations Not determined

16. Other Information

NFPA	Health Hazards	Flammability	Instability	Special Hazards
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection Not determined

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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Version 1

1. Identification

Product Identifier

Product Name 1440 Rigid Plastic Repair Material- **Hardener**

Other means of identification

SDS # 1440 Rigid Plastic Repair Material - **Hardener**

Recommended use of the chemical and restrictions on use

Recommended Use Sealer/Adhesive

Details of the supplier of the safety data sheet

Supplier Address

Seymour of Sycamore
 917 Crosby Avenue
 Sycamore, IL 60178 USA

Seymour of Sycamore
 3041 Dougall Avenue, Suite 503
 Windsor, ONT N9E 1S3 CANADA

Emergency Telephone Number

Company Phone Number 815-895-9101 | 800-435-4482 (Canada)

Emergency Telephone (24 hr) 1-800-255-3924

2. Hazards Identification

Appearance: White viscous liquid

Physical State: Liquid

Odor: Mercaptan

Classification

Carcinogenicity Category 2

Signal Word

Warning



Hazard Statements

Suspected of causing cancer

Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Unknown Acute Toxicity

80-90% of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/Information On Ingredients

Chemical Name	CAS No	Weight-%
Mercaptan-Terminated Epoxy Curing Agent	PROPRIETARY	80-90
2,4,6-tri(dimethylaminomethyl)phenol	90-72-2	5-10
Amorphous Silica	67762-90-7	1-5
Titanium dioxide	13463-67-7	0.5-1.0

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

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4. First-Aid Measures

First Aid Measures

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Immediately flush eyes thoroughly with water for at least 15 minutes. Get immediate medical advice/attention.
Skin Contact	Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing. Wash contaminated clothing before reuse.
Inhalation	Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician / poison center if individual's condition declines or if symptoms persist.
Ingestion	Do not induce vomiting without medical advice. Seek medical attention immediately. Rinse mouth.

Most important symptoms and effects

Symptoms	Mild eye, skin, and/or respiratory irritation. Exposed individuals may experience eye tearing, redness and discomfort. Will cause gastrointestinal tract irritation.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. Fire-Fighting Measures

Suitable Extinguishing Media	CO2, dry chemical, foam and water fog.
Unsuitable Extinguishing Media	Not determined.
Specific Hazards Arising from the Chemical	Product is not flammable.
Protective equipment and precautions for firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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.
Environmental Precautions	Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so. Contain with inert material.
Methods for Clean-Up	Soak up with inert absorbent material. Place in appropriate containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

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Version 1

7. Handling And Storage

Precautions for safe handling

Advice on Safe Handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Keep out of the reach of children.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep locked up and out of reach of children.

Incompatible Materials

Acids, Amines, Mercaptans, Strong oxidizing agents.

8. Exposure Controls/Personal Protection

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Titanium dioxide 13463-67-7	TWA: 10 mg/m3	TWA: 15 mg/m3 total dust (vacated) TWA: 10 mg/m3 total dust	IDLH: 5000 mg/m3

Appropriate engineering controls

Engineering Controls

Mechanical ventilation or local exhaust ventilation is recommended.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Safety glasses with side shields or chemical goggles.

Skin and Body Protection

Solvent resistant gloves. Wear suitable protective clothing.

Respiratory Protection

Wear an appropriate NIOSH/MSHA approved respirator if ventilation is inadequate.

General Hygiene Considerations

Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SDS. Launder contaminated clothing before reuse.

(Contd. on page 10)

9. Physical And Chemical Properties

Information on basic physical and chemical properties

Physical State: Liquid

Appearance: White viscous liquid

Color: White

Odor: Mercaptan

Odor Threshold: Not determined

Property	Values	Remarks • Method
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	> 93.33 °C / > 200 °F	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Material V.O.C.	Negligible	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	1.13	(1=Water)
Water Solubility	Insoluble in water	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. Stability And Reactivity

Reactivity	Not reactive under normal conditions.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to Avoid	Heat, flames and sparks. Keep out of reach of children..
Incompatible Materials	Acids, Amines, Mercaptans, Strong oxidizing agents.
Hazardous Decomposition Products	HES, AMINES, CO, CO2, H2S, SO2, NO2.

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11. Toxicological Information

Information on likely routes of exposure

Product Information

Eye Contact	May cause temporary irritation on eye contact.
Skin Contact	Prolonged contact may cause redness and irritation.
Inhalation	May cause irritation if inhaled.
Ingestion	May cause gastrointestinal irritation, nausea, diarrhea, and vomiting.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2,4,6-tri(dimethylaminomethyl)phenol - 90-72-2	= 1000 mg/kg (Rat)	= 1280 mg/kg (Rat)	
Titanium dioxide - 13463-67-7	> 10000 mg/kg (Rat)		

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Suspected of causing cancer.

Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium dioxide - 13463-67-7		Group 2B		X

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Numerical measures of toxicity Not determined

Unknown Acute Toxicity 80-90% of the mixture consists of ingredient(s) of unknown toxicity.

12. Ecological Information

Ecotoxicity An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Component Information

Persistence/Degradability Not determined.

Bioaccumulation Not determined.

Mobility Not determined

Other Adverse Effects Not determined.

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13. Disposal Considerations

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
2,4,6-tri(dimethylaminomethyl)phenol 90-72-2		Included in waste stream: K060		

14. Transport Information

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. Regulatory Information

International Inventories Not determined

Legend:

- **TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- **DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List
- **EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- **ENCS** - Japan Existing and New Chemical Substances
- **IECSC** - China Inventory of Existing Chemical Substances
- **KECL** - Korean Existing and Evaluated Chemical Substances
- **PICCS** - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

SARA 313 Not determined.

US State Regulations

California Proposition 65 This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Titanium dioxide - 13463-67-7	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Titanium dioxide - 13463-67-7	X	X	X

(Contd. on page 13)

16. Other Information

NFPA	Health Hazards Not determined	Flammability Not determined	Instability Not determined	Special Hazards Not determined
HMIS	Health Hazards 2	Flammability 1	Physical Hazards 0	Personal Protection Not determined

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End of Safety Data Sheet