



MATERIAL SAFETY DATA SHEET

GS-154

READ THIS MATERIAL SAFETY DATA SHEET BEFORE USING THIS PRODUCT. ASK YOUR SUPERVISOR FOR ASSISTANCE IF YOU DO NOT UNDERSTAND ANY PART OF IT.

1. PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: GS 154 Curing Agent – Black
CHEMICAL NAME: Mercaptan Polymer/Tertiary Amine
CAS NUMBER: N/A
CHEMICAL FAMILY: Mercaptan Mixture

NIXUS International Corporation EMERGENCY TELEPHONE: 1-850-267-1237
P.O. Box 613588
Watersound, FL 32461
U.S.A.

2. HAZARDOUS INGREDIENTS

Material	CAS Number	Contents % w/w	Hazard Data
Mercaptan Polymer	(Trade Secret)	50 – 90%	PEL Not Est. TLV Not Est.
2,4,6-Tri (Dimethylaminomethyl) Phenol	90-72-2	5 - 8%	TWA: 5 ppm, 8 hr.

DOES NOT CONTAIN CARCINOGENS

3. PHYSICAL DATA

Appearance: Dark Gray Paste
Solubility in Water: Negligible
Specific Gravity: 1.12
Boiling Point: N/A

Vapor Pressure: N/A
Odor: Characteristic Mercaptan
Density at 200C: p.35 lbs/gallon
Freezing Point: N/A

Vapor Density: N/A
Viscosity: Paste
% Volatiles by Volume: 0.5% max

4. FIRE AND EXPLOSION DATA

Flash Point: >250OF TCC

Autoignition Temp: N/A

Flammable Limits in Air, % v/v:

LEL: N/A

UEL: N/A

Extinguishing Media: Water, Spray, Foam, Dry Chemical

Fire or Explosion Hazards: Generation of Toxic Products

Special Firefighting Procedures: Wear full protective equipment including self-contained breathing apparatus.

5. REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will Not Occur

Incompatible Materials: None Known

Conditions to Avoid: Mixing large volumes with epoxy based materials such as GS 154 base. Volumes less than one pint are safe; however, expect a significant exotherm within 3 – 5 minutes at 70OF.

Hazardous Decomposition Products: CO, CO2, Unspecified Others

6. HEALTH HAZARD DATA

Skin Irritation: Sl. Irritant; Possible Sensitizer

Inhalation Tox: Unknown, See Below

DOT Corrosivity: Not Corrosive

Eye Irritation: Slight Irritant

Oral Toxicity: Unknown Dermal

Toxicity: Unknown

Skin and Eye Contact: Slightly irritating, possible sensitizer.

Ingestion: Considered slightly toxic.

Inhalation: Material cannot be applied by spray; therefore, exposure to mist or vapor is extremely unlikely. However, inhalation of concentrated vapors might cause irritation of respiratory tract. Prolonged or repeated exposure may cause an asthmatic reaction.

7. FIRST AID RECOMMENDATIONS

Skin and Eye Contact: Immediately flush eyes with fresh water holding lids apart for 15 minutes. Washing within one minute is essential to achieve maximum effectiveness. Remove from skin using soap and water. Remove contaminated shoes and clothing. Call a physician.

Ingestion: DO NOT induce vomiting! Prevent aspiration (breathing) liquid into lungs. Get medical attention.

Inhalation: Immediately move to fresh air. If breathing is difficult, give oxygen. Call a physician.

8. SPILL PROCEDURES & WASTE DISPOSAL

Scrape or wipe up spilled material. Place in container for recovery or disposal. Avoid contact with skin and eyes. Wear recommended protective clothing.

9. PERSONAL PROTECTION

Ventilation Requirements: Mechanical local exhaust at point of contaminant release, if conditions warrant.

Respiratory Protection: It is extremely unlikely that harmful concentrations of volatile materials will be released during normal applications by spreaders, trowels or similar tools in open areas. Wear organic vapor cartridge respirator or fresh air hood if working for extended periods in enclosed spaces with minimal ventilation.

Eyes: Chemical resistant goggles if eye contact possible.

Skin: Impervious gloves, wear long sleeved shirts, coveralls, as required, to prevent skin contact. Discard contaminated gloves, footwear, etc.

10. SPECIAL PRECAUTIONS & STORAGE

Precautionary Statements: Avoid contact with eyes, skin and clothes. Wash after handling and before eating, drinking or smoking. Store in a cool, dry area in closed containers.

11. TRANSPORTATION

"Non-Hazardous – Non-Regulated" by DOT, IMO and IATA



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1. PRODUCT INFORMATION

Product Name: GS 154 Epoxy Base - White
Chemical Name: N/A
CAS Number: N/A
Chemical Family: Epoxy Coating Component
Product Code: GS 154 – 17880A

2. HAZARDOUS INGREDIENTS

Material	CAS Number	Contents % w/w	Hazard Data
Epoxy Resin Liquid Polymer	25068 – 38 -6	50 – 75%	PEL: Not Established TLV: Not Established
p-tertbutylphenyl glycidyl ether	3101 – 60 - 8	5 - 10%	PEL: Not Established TLV: Not Established
Poly (terephthaloylchloride/ p-phenylenediamine	26125 – 61 – 1	2 - 5%	PEL: Not Established TLV: Not Established
Micronized Silica	7631 – 86 – 9	5 - 10%	PEL: 0.1mg/M3 air

DOES NOT CONTAIN CARCINOGENS

3. PHYSICAL DATA

Appearance: White Paste	Vapor Pressure: N/A	Vapor Density: N/A
Solubility in Water: Negligible	Odor: Slightly Sweet Characteristic Epoxy Resin	
Specific Gravity: 1.34	Density at 20OC: 11.3lbs/gallon	Viscosity: Heavy Paste
Boiling Point: N/A	Freezing Point: N/A	% Volatiles by Volume: 0.5% max

4. FIRE AND EXPLOSION DATA

Flash Point: >250°F TCC

Autoignition Temp: N/A

Flammable Limits in Air, % v/v:

LEL: N/A

UEL: N/A

Extinguishing Media: Water, Spray, Foam, Dry Chemical

Fire or Explosion Hazards: Generation of Toxic Products

Special Firefighting Procedures: Wear full protective equipment including self-contained breathing apparatus.

5. REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will Not Occur

Incompatible Materials: None Known

Conditions to Avoid: Mixing large volumes with epoxy curing agents such as GS 154 – 17038B, expect a significant exotherm within 3 – 4 minutes at 70°F.

Hazardous Decomposition Products: CO, CO₂, Unspecified Others

6. HEALTH HAZARD DATA

Skin Irritation: Sl. Irritant; Possible Sensitizer

Inhalation Tox: <0.1mg/L air (rat)

DOT Corrosivity: Not Corrosive

Eye Irritation: Draize Score Primary; Ingredient 16.8/110 (rabbit)

Oral Toxicity: <2.6g/Kg (rabbit) Dermal Toxicity - Acute LD50: >10.2g/Kg (rabbit)

Skin and Eye Contact: Slightly irritating, possible sensitizer. Ingestion: Considered slightly toxic. Inhalation: Overexposure to mist or vapor is extremely unlikely; however, may cause irritation of respiratory tract.

7. FIRST AID RECOMMENDATIONS

Skin and Eye Contact: Immediately flush eyes with fresh water holding lids apart for 15 minutes. Washing within one minute is essential to achieve maximum effectiveness. Remove from skin using soap and water. Remove contaminated shoes and clothing. Call a physician.

Ingestion: Give conscious person several glasses of milk or water, then induce vomiting by tickling back of throat with finger. Keep airway clear. Get medical attention. Never give anything by mouth to an unconscious person.

Inhalation: Immediately move to fresh air. If breathing is difficult, give oxygen. Call a physician.

8. SPILL PROCEDURES & WASTE DISPOSAL

Scrape or wipe up spilled material. Place in trash container. Avoid contact with skin and eyes. Wear recommended protective clothing.

9. PERSONAL PROTECTION

Ventilation Requirements: Not required unless used in large volumes.

Respiratory Protection: Not normally required.

Eyes: Chemical resistant goggles if eye contact possible.

Skin: Impervious gloves, wear long sleeved shirts, coveralls, as required, to prevent skin contact.

10. SPECIAL PRECAUTIONS & STORAGE

Precautionary Statements: Avoid contact with eyes, skin and clothes. Wash after handling. Store in a cool, dry area in closed containers. DO NOT handle or use product until safety precautions recommended here have been read and fully understood.

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