

SAFETY DATA SHEET

Adhesive Structural Scotch-Weld

Date of Preparation: 06/05/2014

SDS #: 004-16171-00MSDS

SECTION 1: IDENTIFICATION

Product Identification: Adhesive Structural Scotch-Weld

CAS Number: Not Available

Volumes: Not Available

Other Designations: Not Available

Recommended Use: For laboratory use only.

Restrictions: For laboratory use only.

Supplier Information:

Micromeritics Instrument Corp.

4356 Communications Drive

Norcross, GA 30093-2901 USA

Contact: Human Resources

Phone: (770) 662-3620

Fax: (770) 662-3696

Manufacturer: 3M 3M Center, St. Paul, Mn 55144-1000 Phone: 1-800-364-3577 or (651) 737-6501 (24Hrs).

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification: Category 2 Flammable liquid, Category 1 Acute toxicity

Signal word: Danger

Hazard Statement:

H226: Flammable liquid and vapor

H229: Pressurized container: may burst if heated

H302: Harmful if swallowed

H316: Causes mild skin irritation

Pictograms:



Precautionary Statements:

P202: Do not handle until all safety precautions have been read and understood

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking

P261: Avoid breathing dust/fume/gas/mist/vapors/spray

P262: Do not get in eyes, on skin, or on clothing

P403+235: Store in a well-ventilated place. Keep cool

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	% vol or % wt
Epoxy resin	25068-38-6	15.0-40.0
Aluminum pigments	7429-90-5	15.0-40.0
Synthetics elastomer – NC Trade Secret (T.S.) Registry No. 04499600-5709P	Trade Secret	5.0-10.0
Dicyandiamide	461-58-5	1.0-5.0
Epoxy Resin	41638-13-5	1.0-5.0
Para-Chlorophenol-Dimethylurea	150-69-5	1.0-5.0
Amorphous Silica	7631-86-9	1.0-5.0

Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Epoxy resin	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.
Aluminum pigments	15 mg/m3	none estab.	10 mg/m3	none estab.	none estab.	none estab.	none estab.
Synthetics elastomer – NC Trade Secret (T.S.) Registry No. 04499600-5709P	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.
Dicyandiamide	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.
Epoxy Resin	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.
Para-Chlorophenol-Dimethylurea	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.
Amorphous Silica	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.

The components of this product are in compliance with the chemical notification requirements of TSCA.

This product contains the following toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR Part 372:

Aluminum Pigments

Para-Chlorophenol-Dimethylurea

SECTION 4: FIRST-AID MEASURES

Inhalation: If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

Skin Contact: Immediately wash skin with soap and large amounts of water. Remove contaminated clothing. If signs/symptoms occur, call a physician. Wash contaminated clothing before reuse and dispose of contaminated shoes.

Ingestion: Do not induce vomiting. Drink two glasses of water. Call a physician.

SECTION 5: FIRE-FIGHTING MEASURES

Flammability Classification: 1

Extinguishing Media: Water spray, carbon dioxide, dry chemical, foam.

Unusual Fire or Explosion Hazards: None known.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide, aldehydes, oxides of cobol.

Fire-Fighting Equipment: Wear full protection clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed area of the head.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill /Leak Procedures:

Observe precautions from other sections. Evacuate unprotected and untrained personnel from hazard area. Contain spill. Cover with absorbent material. Collect spilled material. Clean up residue with an appropriate organic solvent. Ventilate with fresh air. Read and follow safety precautions on the solvent label and SDS. Place in a closed container. Dispose of collected material as soon as possible.

SECTION 7: HANDLING AND STORAGE

Handling Precautions: Read and follow safety precautions on the solvent label and SDS. Avoid eye contact. Avoid breathing of vapors, mists, or sprays. Avoid skin contact. Avoid contact with oxidizing agents. If ventilation is not adequate, use respiratory protection equipment.

Storage Requirements: Place in a closed container. Store away from acids. Store away from heat or direct sunlight. Keep container in well-ventilated area. Store away from oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Ventilation: Recommend Ventilation. Use with appropriate local exhaust ventilation. Provide appropriate local exhaust ventilation at transfer points. Provide appropriate local exhaust ventilation on open container. If exhaust ventilation is not adequate, use appropriate respiratory protection.

Administrative Controls:

Respiratory Protection: Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations. Half-mask organic vapor respirator, full-face organic vapor respirator.

Protective Clothing/Equipment: Avoid skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following materials is recommended: neoprene, nitrile rubber.

Eye Protection: avoid eye contact. Wear unvented goggles during operations in which exposure is likely.

Prevention of Accidental Ingestion: Wash hands after handling and before eating. Do not ingest.

Recommended Storage: Store in a cool place. Store away from acids. Store away from heat. Store out of direct sunlight.

Fire & Explosion Avoidance: Keep container tightly closed. Keep away from heat, sparks, open flame, and other sources of ignition. No smoking while handling this material.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: > 340°F

Burning Rate: N/A

Autoignition Temperature: None determined

LEL: N/A

UEL: N/A

Physical State: Paste

Appearance and Odor: Paste, Gray, Epoxy odor.

Odor Threshold: Not Applicable

Vapor Pressure: Not Applicable

Vapor Density (Air=1): Not Applicable

Formula Weight: Not Applicable

Density: Not Applicable

Specific Gravity (H₂O=1, at 4 °C): 1.5 water - 1

pH: Not Applicable

Water Solubility: Very Slight

Other Solubilities: Not Applicable

Boiling Point: Not Applicable

Freezing/Melting Point: No data

Viscosity: 780000 centipoise

Refractive Index: Not Applicable

Surface Tension: Not Applicable

% Volatile: 0.0%

Evaporation Rate: Not Applicable

SECTION 10: STABILITY AND REACTIVITY

Stability: 3M Scotch Weld Epoxy Adhesive is stable.

Polymerization: Hazardous polymerization will not occur.

Chemical Incompatibilities: N/A

Conditions to Avoid: Strong oxidizing agents, strong acids, strong bases, amines. Heat, sparks and/or flames.

Hazardous Decomposition Products: Carbon Monoxide and Carbon Dioxide, Aldehydes, Oxides of Cobal.

SECTION 11: TOXICOLOGICAL INFORMATION

None available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not Available

Environmental Fate: Not Available

Environmental Degradation: Not Available

Soil Absorption/Mobility: Not Available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal: Cure product according to product instructions. Incinerate uncured waste in an industrial or commercial incinerator. Dispose of completely cured (or polymerized) material in a sanitary landfill.

SECTION 14: TRANSPORT INFORMATION

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Not regulated

Shipping Symbols: Not Applicable

Hazard Class: Not regulated

ID No.: Not regulated

Packing Group: Not Applicable

Label: Not Applicable

Special Provisions (172.102):

Not Applicable

Packaging Authorizations

a) **Exceptions:** Not Applicable

b) **Non-bulk Packaging:** Not Applicable

c) **Bulk Packaging:** Not Applicable

Quantity Limitations

- a) **Passenger, Aircraft, or Railcar:** Not Applicable
- b) **Cargo Aircraft Only:** Not Applicable

Vessel Stowage Requirements

- a) **Vessel Stowage:** Not Applicable
- b) **Other:** Not Applicable

SECTION 15: REGULATORY INFORMATION

Volatile Organic Compounds: Not Applicable

VOC Less H₂O & exempt solvents: No data.

Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies at a reportable quantity.

US EPA Hazardous Waste Number = None Not US EPA Hazardous.

EPCRA Hazard Class:

Fire Hazard: No Pressure: No Reactivity: No Acute: Yes Chronic: Yes

SECTION 16: OTHER INFORMATION

Prepared By: Zuniga, A.

Revision Notes: Not Applicable

Additional Hazard Rating Systems: Not Applicable

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