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Material Safety Data Sheet
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1 Product Identification

Tradename:
SCOTCH-WELD(TM) EPOXY ADHESIVE EC-2216, GRAY (PART B)
Product ID:
62-2216-8540-7
Intended Use of Product:
Part B of 2 Part Adhesive
Division:
INDUSTRIAL ADHESIVES AND TAPES

2 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
EPOXY RESIN	25068-38-6	70 - 80
KAOLIN	1332-58-7	20 - 30

NOTE:
Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

3 Hazards Identification

Critical Hazards:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Moderate Skin Irritation: Signs/symptoms can include localized redness, swelling, itching, and dryness.

Prolonged or repeated exposure may cause:

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

KAOLIN (1332-58-7) has been shown to cause fibrosis of the lungs. See Sections 7 and 11 for further information.

4 First Aid Measures

Instructions for Eye Contact:

Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Instructions for Skin Contact:

Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

Instructions for Inhalation:

Remove person to fresh air. If signs/symptoms develop, get medical attention.

Instructions for Ingestion:

Do not induce vomiting. Get immediate medical attention.

5 Fire Fighting Measures

Flash point: Not applicable

Lower Explosive Limit (%): Not applicable

Upper Explosive Limit (%): Not applicable

Autoignition temperature: Not available

Suitable Extinguishing Media:

No data available.

Exposure Hazards during Fire:

Material will not burn.

Combustion Products from Fire:

Aldehydes - During Combustion;

Hydrocarbons - During Combustion;

Carbon monoxide - During Combustion;

Carbon dioxide - During Combustion;

Ketones - During Combustion;

Toxic Vapour, Gas, Particulate - During Combustion;

Unusual Fire and Explosion Hazards

None known.

Fire Fighting Procedures:

Water may be used to blanket the fire. Wear full protective 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 areas of the head.

NFPA: Health	2
NFPA: Fire	0
NFPA: Reactivity	1
NFPA: Unusual Reaction Hazard	none

Special Instructions:

Not applicable.

6 Accidental Release Measures

Personal Precautions:

No data available.

Spill Response:

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Place in a closed container approved for transportation by appropriate authorities.

7 Handling and Storage

Storage Requirements:

No data available.

Incompatible Materials:

Strong acids; Strong oxidizing agents; Heat is generated during cure. Do not cure a mass larger than 50 grams in a confined space to prevent a premature reaction (exotherm) with production of intense heat and smoke.

Ventilation:

Keep container in well-ventilated area.

Use Instructions:

Contents may be under pressure, open carefully. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Avoid contact with oxidizing agents. Avoid breathing of vapours, mists or spray. Avoid skin contact with hot material. Avoid eye contact with vapours, mists, or spray. Avoid breathing of dust created by cutting, sanding, grinding or machining.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact. Avoid eye contact with vapours, mists, or spray. The following should be worn alone or in combination, as appropriate, to prevent eye contact: Indirect vented goggles; Safety glasses with side shields

Hand Protection:

Avoid skin contact with hot material. Wear appropriate gloves, such as Nomex, when handling this material to prevent thermal burns. The following glove material(s) are recommended: polyethylene/ethylene vinyl alcohol;

Skin Protection:

Avoid skin contact. Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Respiratory Protection:

Avoid breathing of dust created by cutting, sanding, grinding or machining. Avoid breathing of vapours, mists or spray. Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations: Half facepiece or fullface air-purifying respirator with P100 particulate filters; Half facepiece or fullface air-purifying respirator with P95 particulate filters; Half facepiece or fullface air-purifying respirator with N95 particulate prefilters;

Ingestion (Prevention):

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

Recommended Ventilation:

Use with appropriate local exhaust ventilation. Provide appropriate local exhaust ventilation on open containers. Provide appropriate local exhaust for cutting, grinding, sanding or machining. Provide appropriate local exhaust when product is heated.

Ingredient Exposure Data

EPOXY RESIN (25068-38-6)	
LD50 (rat, oral)	11400 mg/kg
LD50 (dermal, rabbit)	23.4 g/kg
LC50 (rat, inhalation/4 hours)	> 791 mg/m3
Exposure Limits	

No data available.
KAOLIN (1332-58-7)
Specific Ingredient Data
No data available.
LD50 (rat, oral) No data available.
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
ACGIH: TWA 2 mg/m3 (Respirable) (Table A4)

9 Physical and Chemical Properties

Physical form,Color,Odour:	Liquid; off-white; very slight epoxy odour;
Odour Threshold:	No data available.
pH:	Not applicable
Boiling point/boiling range:	>= 35 C MITS Data
Melting point/melting range:	Not available
Vapour pressure:	<= 27 psia at 55 C MITS Data
Water Solubility:	Nil
Specific gravity:	◆ 1.33 Water=1
Vapour density:	Not applicable
Volatile organic compounds:	◆ 0.8 gms/liter EPA24A
Evaporation rate:	Not applicable
Viscosity:	75000 - 150000 centipoise
Percent Volatile:	◆ 0.06 % by weight ASTM

10 Stability and Reactivity

Conditions to Avoid:
Heat is generated during cure. Do not cure a mass larger than 50 grams in a confined space to prevent a premature reaction (exotherm) with production of intense heat and smoke.

Materials to Avoid:
Strong acids; Strong oxidizing agents;

Hazardous Decomposition:
Aldehydes - During Combustion;
Hydrocarbons - During Combustion;
Carbon monoxide - During Combustion;
Carbon dioxide - During Combustion;
Ketones - During Combustion;
Toxic Vapour, Gas, Particulate - During Combustion;

Stability and Reactivity:
Stable. Hazardous polymerization will not occur.

11 Toxicological Information

Effects from Eye Contact:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Vapours from heated material can cause eye irritation.

Signs/symptoms can include redness, swelling, pain, tearing, and blurred or hazy vision.

Dust created by cutting, grinding, sanding, or machining can cause eye irritation: Signs/symptoms can include redness, swelling, pain, tearing, and blurred or hazy vision.

Effects from Skin Contact:

Moderate Skin Irritation: Signs/symptoms can include localized redness, swelling, itching, and dryness.

Prolonged or repeated exposure may cause:

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Effects from Inhalation:

Upper Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Vapours from heated material may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

KAOLIN (1332-58-7) has been shown to cause fibrosis of the lungs.

Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Effects from Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, nausea, diarrhea and vomiting.

Sensitization Information:

Prolonged or repeated exposure may cause:

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Carcinogenicity:

No data available.

Mutagenicity:

No data available.

Reproductive Effects:

No data available.

Component Based Information:

No data available.

Product Based Information:

No data available.

15 Regulatory Information

WHMIS Classification: D2B

NOTE:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Product Certifications:

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

TSCA - Toxic Substances Control Act (USA)

EINECS - European Inventory of Existing Commercial Chemical Substances

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:

Section 3 - Hazards Identification - Critical Hazards;

Section 4 - First Aid Measures;

Section 5 - Fire Fighting Measures

Section 7 - Handling and Storage;

Section 8 - Exposure Controls/Personal Protection;

Section 11 - Toxicological Information;

WHMIS Classification change

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