



Material Safety Data Sheet

Date of Preparation: August 15, 2006

Section 1 - Product Information

Product Name: Bumper Repair Kit

Product Code: 280

Emergency Phone: Chemtrec 800-424-9300

Company: Bondo Corporation
3700 Atlanta Industrial Parkway NW
Atlanta, GA 30331

Revision Number: 2

Intended Use: Autobody repair

Emergency Overview

Signs of Overexposure: Skin rashes, Irritability, Irritation of nose, throat, and airways, Itching of the skin, Intestinal upset (nausea, vomiting, diarrhea), central nervous system effects (dizziness, drowsiness, weakness, fatigue, headache, unconsciousness),

Emergency First Aid: Flush eyes with plenty of water. Avoid rubbing eyes. If irritation develops, seek medical attention. Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with head down. Contact physician for advise about whether to induce vomiting. Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. Get medical attention immediately Wash with soap and water. If symptoms persist, get medical attention.

Handling: Avoid contacting and avoid breathing the material. Use only in a well ventilated area.

Material Physical Appearance: Part A: Yellow Colored viscous liquid Part B: Black Colored viscous liquid

Fire Fighting: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.

Your local fire department may require that you display the NFPA 704 diamond symbol on the front and/or rear entrance to your building.

NFPA 704: Health: 2, Fire: 1, Reactivity: 0

HMS: Health: 2, Fire: 1, Reactivity: 0

Bondo Corporation has no oversight with respect to the guidance practices or policies or manufacturing processes of other companies handling or using this material. The information given in this MSDS is only related to the product as shipped in its original condition. The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks as required by regulations.

Section 2 - Hazardous Ingredients

Chemical Name	%	CAS#	OSHA Exposure Limits
Part A (Yellow Liquid)			
Epoxy Resin	50.0 - 60.0	25068-38-6	No PEL established
Talc	10.0 - 20.0	14807-96-6	20 mppcf
Magnesium Carbonate	10.0 - 20.0	546-93-0	15 mg/m ³ TWA (Total Dust); 5 mg/m ³ TWA (Respirable Fraction)
Nonylphenol	5.0 - 10.0	25154-52-3	No PEL established
Ethylbenzene	0.1 - 1.0	100-41-4	100 ppm TWA; 435 mg/m ³ TWA

Chemical Name	%	CAS#	OSHA Exposure Limits
Part B (Black Liquid)			
Mercaptan Polymer	60.0 - 70.0	Proprietary	No PEL established
Nepheline Syenite	10.0 - 20.0	37244-96-5	No PEL established
2,4,6-Tri((Dimethylamino)Methyl)-Phenol	5.0 - 10.0	90-72-2	No PEL established
Nonylphenol	1.0 - 5.0	25154-52-3	No PEL established

Section 3 – Hazards Identification

Routes of Entry: Inhalation, Eye contact, Ingestion, Skin contact, Eye contact,

Target Organs Potentially Affected by Exposure: Eyes, Respiratory Tract, Lungs,

Chemical Interactions That Change Toxicity: No chemical interaction known to affect toxicity.,

Medical Conditions Aggravated by Exposure: Respiratory disease including asthma and bronchitis, Eye disease, Lung disease,

Immediate (Acute) Health Effects by Route of Exposure

Inhalation Irritation: Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Can cause mechanical irritation if dusts are generated. Causes respiratory tract irritation

Inhalation Toxicity: Harmful! Can cause systemic damage (see "Target Organs)

Skin Contact: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage. Sensitizer! Avoid exposure. If sensitized, repeated exposures will result in irritation, reddening, and rashes even for very low exposures. May cause skin irritation.

Skin Absorption: No absorption hazard in normal industrial use.

Eye contact: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue. Can causes slight irritation. Can cause irritation.

Ingestion Irritation: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea. Harmful if swallowed.

Ingestion Toxicity: slightly toxic

Long-Term (Chronic) Health Effects

Carcinogenicity: Contains a substance that can cause cancer in laboratory animals at high doses. Not a carcinogen according to NTP, IARC, or OSHA. There is no scientific evidence to indicate the substance or this product is a human carcinogen.

Reproductive and Developmental Toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Inhalation: Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs)

Skin Contact: Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

Skin Absorption: Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause severe irritation and systemic damage

Ingestion: slightly toxic

Section 4 – First Aid Measures

Inhalation: Remove to fresh air. If breathing is difficult, get medical attention immediately. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

Eyes: Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin, wash thoroughly with soap and water.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean contaminated shoes.

Ingestion: Do not induce vomiting and seek medical attention immediately. Provide medical care provider with this MSDS. If swallowed, do not induce vomiting. Get medical attention immediately.

Notes to Doctor: No additional first aid information available

Section 5 – Fire Fighting Measures

Flammability Summary: Not Combustible. Will burn at elevated temperatures

Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.

Fire and/or Explosion Hazards: Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.

Fire Fighting Methods and Protection: Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling. Use methods for the surrounding fire.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide,

Flash Point (SFCC): 101 deg. C 214 deg. F

Lower Flammable/Explosive Limit: Not Determined

Section 6 - Accidental Release

Personal Precautions and Equipment: Exposure to the spilled material may be irritating or harmful.

Follow personal protective equipment recommendations found in Section 8 of this MSDS.

Methods for Clean-up: Prevent the spread of any spill. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Gather and store in a sealed container pending a waste disposal evaluation.

Section 7 – Handling and Storage

Handling Technical Measures and Precautions: Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid breathing material.

Storage Technical Measures and Conditions: Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep container closed when not in use. Keep away from sources of ignition.

Section 8 – Exposure Controls/Personal Protection

Engineering Measures: Local exhaust ventilation, process enclosures, or other engineering controls are imperative when handling or using this product to avoid overexposure. Good general room ventilation should be sufficient to control airborne contaminants to safe levels. Engineering controls must be designed

to meet the OSHA chemical specific standard in 29 CFR 1910. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits

Respiratory Protection: Use NIOSH approved respirator for particulate when handling dried material. Follow a respiratory protection program that meets 29 CFR 1910.134 and ANSI Z88.2 requirements whenever work place conditions warrant the use of a respirator. Wear a NIOSH approved respirator if any exposure is possible. Wear a NIOSH approved respirator if levels above the exposure limits are possible.

Eye Protection: Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.

Wear goggles if dusts can reach the exposure limit. An eye wash station must be available where this product is used.

Skin Protection: Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

Gloves: Required for prolonged or repeated contact. Use solvent resistant gloves. Barrier creams are not substitutes for full physical protection. Refer to safety equipment supplier for effective glove recommendations.

Control Parameters:

Chemical Name	ACGIH TLV-TWA	ACGIH STEL	IDLH
Part A (Yellow Liquid)			
Epoxy Resin	Not Established	Not Established	Not Determined
Talc	2 mg/m3 TWA (respirable particulate)	Not Established	Not Determined
Magnesium Carbonate	10 mg/m3 TWA	Not Established	Not Determined
Nonylphenol	Not Established	Not Established	Not Determined
Ethylbenzene	100 ppm TWA; 434 mg/m3 TWA	125 ppm STEL; 543 mg/m3 STEL	Not Determined
Part B (Black Liquid)			
Mercaptan Polymer	Not Established	Not Established	Not Determined
Nepheline Syenite	Not Established	Not Established	Not Determined
2,4,6-Tri((Dimethylamino)Methyl)-Phenol	Not Established	Not Established	Not Determined
Nonylphenol	Not Established	Not Established	Not Determined

Section 9 – Physical and Chemical Properties

Physical State: Colored viscous liquid

Color: Part A: Yellow, Part B: Black

Odor: Mild amine Odor does not provide reliable indicator of potential harm or toxicity.

pH: Not Determined

Solubility in Water: Not determined

Volatiles, % by weight: 0.764

Volatiles, % by volume: 1.02

Volatile Organic Compounds excluding exempt solvents and water:

0.07 Lb/gallon 8.83 g/l

Volatile Organic Compounds including exempt solvents and water:

0.07 LB/gallon 8.83 g/l

Vapor Pressure: Not Determined

Boiling Point: 149.0000000 deg. C; 300 deg. F

Specific Gravity: 1.15
Weight per Gallon: 10.25

Section 10 – Stability and Reactivity

Stability: Stable under normal conditions. However, may decompose if heated

Conditions to Avoid: Sparks, open flame, other ignition sources, and elevated temperatures.

Materials to Avoid/Chemical Incompatibility: Metals, Strong oxidizing agents, Acids,

Hazardous Decomposition Products: Sulfur containing gases, Hydrogen sulfide, Carbon dioxide, Carbon monoxide

Section 11 - Toxicological Information

Sensitization (effects of repeated exposure): No data

Component Toxicology Data (NIOSH)

Chemical Name	CAS Number	LD50/LC50
Part A (Yellow Liquid)		
Epoxy Resin	25068-38-6	No Data Available
Talc	14807-96-6	No Data Available
Magnesium Carbonate	546-93-0	No Data Available
Nonylphenol	25154-52-3	No Data Available
Ethylbenzene	100-41-4	Oral LD50 Rat : 3500 mg/kg; Dermal LD50 Rabbit : 17800 uL/kg
Part B (Black Liquid)		
Mercaptan Polymer	Proprietary	No Data Available
Nepheline Syenite	37244-96-5	No Data Available
2,4,6-Tri((Dimethylamino)Methyl)-Phenol	90-72-2	No Data Available
Nonylphenol	25154-52-3	No Data Available

Section 12 - Ecological Information

Overview:

Avoid runoff into ground, storm drains or sewers that lead into waterways. Water runoff may cause environmental damage. There are extensive ecological data available on the various components of these products. An adequate representation of all these data is beyond the scope of this document. Please contact the information phone number found in Section 16.

Section 13 – Disposal Information

Waste Description for Spent Product: Spent or discarded material is not expected to be a hazardous waste.

Disposal Methods: Dispose of in accordance with federal, state or provincial and local pollution requirements. Clean preferably with a detergent, avoid the use of solvents. This information applies only to the material as manufactured; processing, use or contamination may make this information inappropriate, inaccurate or incomplete. The generator of the waste has the responsibility for proper waste classification, transportation and disposal.

Section 14 – Transportation Information

DOT Shipping Information: DOT & IMDG: Consumer Commodity, ORM-D
IMDG: Phenol Solutions, 6.1, UN 2821, PG III, Limited Quantity

Section 15 - Regulatory Information

Note: Materials listed in this section may be present as trace level contaminants to raw materials. Check Section 2 - Hazardous Ingredients to determine if a significant amount is present

OSHA: This product is considered hazardous under the Federal OSHA Hazard Communication Standard.

WHMIS: D1B D2B,

SARA Title III:

Section 302 Extremely Hazardous Substances: None

Section 311 / 312 Hazard Categories: Immediate health, delayed health, fire hazard.

Section 313 Toxic Chemicals: Xylene and ethylbenzene, 1,2,4- trimethylbenzene, methanol, Toluene, epichlorohydrin,

You may be required to submit this MSDS to state and local emergency response agencies (SERC & LEPC) and to your local fire department. Also, you may be affected by other sections of this law, depending on the chemicals and amounts that you inventory at your location. To learn more about your responsibilities, call the EPA Hotline (800) 535-0202

Global Inventory	Status
United States (TSCA)	In Compliance
Canada (DSL)	In Compliance

Proposition 65: WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.

Section 16 - Preparation Information

Prepared by Bondo Corporation
Information phone number: (404) 696-2730

Do not handle until the manufacturer's safety precautions have been read and understood. Regulations require that all employees be trained on Material Safety Data Sheets for all products with which they come in contact.

While Bondo Corporation believes that the data contained herein are accurate and derived from qualified sources, the data are not to be taken as a warranty or representation for which Bondo Corporation assumes legal responsibility. They are offered solely for your consideration, investigation and verification. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state or provincial and local laws and regulations.