Material Safety Data Sheet

Date of Preparation: June 12, 2006

Section 1 - Product Information

Product Name: Dynatron Putty-Cote
Product Code: 592, 593
Emergency Phone: Chemtrec 800-424-9300
Company: Bondo Corporation
3700 Atlanta Industrial Parkway NW
Atlanta, GA 30331
Revision Number: 12
Intended Use: Autobody repair
This product is packaged with Blue Cream Hardener (see the MSDS for Blue Cream Hardener, Stock Number: 924).

Emergency Overview

Signs of Overexposure: Irritability, Irritation of nose, throat, and airways, Intestinal upset (nausea, vomiting, diarrhea), central nervous system effects (dizziness, drowsiness, weakness, fatigue, headache, unconsciousness), Loss of coordination, Mental confusion, liver damage,
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: White Paste
Fire Fighting: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used 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: 3, Reactivity: 0
HMIS: Health: 2, Fire: 3, 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
Talc	20.0 - 30.0	14807-96-6	20 mppcf
Proprietary	20.0 - 30.0	Proprietary	Not Established
Magnesium Carbonate	10.0 - 20.0	546-93-0	15 mg/m3 TWA (Total Dust); 5 mg/m3 TWA (Respirable Fraction)
Styrene	10.0 - 20.0	100-42-5	100 ppm TWA; C 200 ppm
Titanium Dioxide	1.0 - 5.0	13463-67-7	15 mg/m3 TWA (Total Dust)

Section 3 – Hazards Identification

Routes of Entry: Inhalation, Eye contact, Skin contact, Ingestion,
Target Organs Potentially Affected by Exposure: Eyes, Respiratory Tract, Skin, Liver, Nervous System, 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, Skin disease including eczema and sensitization, Liver 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. Irritating to the nose, throat, and respiratory tract. 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. May cause skin irritation.
Skin Absorption: No absorption hazard in normal industrial use. Component(s) may be absorbed through intact skin, but it is unlikely that harmful affects will occur unless contact is prolonged, repeated, and extensive. A single exposure is not likely to result in the product being absorbed through the skin in harmful amounts.
Eye contact: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue. Can causes slight irritation. Can cause mechanical irritation if dusts are generated. Can cause irritation.
Ingestion Irritation: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea. Small amounts (a tablespoonful) swallowed during normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury. Harmful if swallowed.
Ingestion Toxicity: slightly toxic

Long-Term (Chronic) Health Effects
Carcinogenicity: Contains a substance that is a possible cancer hazard based on high dose animal studies and/or a human study.
Reproductive and Developmental Toxicity: Contains a substance(s) that is a possible reproductive system hazard based on high dose tests with laboratory animals.
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, no hazard in normal industrial use.
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: 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. 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. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
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: Flammable
Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used 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: Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back. Use process enclosures to control the level of dust in the air.
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. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.
Hazardous Combustion Products: Carbon dioxide, Carbon monoxide, Hydrocarbons,
Flash Point (SFCC): 27 deg. C 80 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. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.
Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.
Methods for Clean-up: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.
Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

Section 7 – Handling and Storage

Handling Technical Measures and Precautions: Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Minimize dust generation and accumulation 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 away from sources of ignition. Keep container closed when not in use.

Section 8 – Exposure Controls/Personal Protection

Engineering Measures: No exposure limits exist for the constituents of this product. Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort. Good

general room ventilation should be sufficient to control airborne contaminates 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: Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. Wear a NIOSH approved respirator if levels above the exposure limits are possible. 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. Respiratory protection may be required in addition to ventilation depending upon conditions of use. Wear a NIOSH approved respirator if any exposure is possible.

Eye Protection: Wear chemical splash goggles when handling this product. Additionally, wear a face shield when the possibility of splashing of liquid exists. 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
Talc	2 mg/m3 TWA (respirable paticulate)	Not Established	Not Determined
Proprietary	Not Established	Not Established	Not Determined
Magnesium Carbonate	10 mg/m3 TWA	Not Established	Not Determined
Styrene	20 ppm TWA; 85 mg/m3 TWA	40 ppm STEL; 170 mg/m3 STEL	700 ppm
Titanium Dioxide	10 mg/m3 TWA	Not Established	Not Determined

Section 9 – Physical and Chemical Properties

Physical State: Paste
Color: White
Odor: Strong Odor does not provide reliable indicator of potential harm or toxicity. Solvent
pH: Not Determined
Solubility in Water: Not determined
Volatiles, % by weight: 17.42
Volatiles, % by volume: 32.31
Volatile Organic Compounds excluding exempt solvents and water:
2.44 Lb/gallon 292.63 g/l
Volatile Organic Compounds including exempt solvents and water:
2.44 LB/gallon 292.63 g/l
Vapor Density: 3.6000000
Vapor Pressure: Not Determined
Boiling Point: 145.0000000 deg. C; 293 deg. F
Specific Gravity: 2.75
Weight per Gallon: 14.0302

Section 10 – Stability and Reactivity

Stability: Stable under normal conditions. May become unstable at elevated temperatures and/or pressure.
Stable Stable. However, may decompose if heated
Conditions to Avoid: Sparks, open flame, other ignition sources, and elevated temperatures. Contamination
Materials to Avoid/Chemical Incompatibility: Strong oxidizing agents, Peroxides, Strong acids, Metals, Acids,
Hazardous Decomposition Products: Hydrocarbons, Carbon monoxide, Carbon dioxide,

Section 11 - Toxicological Information

Sensitization (effects of repeated exposure): No data

Component Toxicology Data (NIOSH)

Chemical Name	CAS Number	LD50/LC50
Talc	14807-96-6	No Data Available
Proprietary	Proprietary	No Data Available
Magnesium Carbonate	546-93-0	No Data Available
Styrene	100-42-5	Inhalation LC50 Rat: 12 gm/m3/4H; Inhalation LC50 Mouse: 9500 mg/m3/4H; Oral LD50 Rat: 2,650 mg/kg
Titanium Dioxide	13463-67-7	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 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.
Waste Disposal Codes: D001

Section 14 – Transportation Information

DOT Shipping Information: DOT: Consumer Commodity, ORM-D
IMDG: UN 3269, Polyester Resin Kit, 3, III, LTD QTY, Flash Point 27C, EmS F-E, S-D

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: B2 D2A 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: Styrene,
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
TSCA status: All components in this product are on the TSCA Inventory.
Canadian Domestic Substances List: The components of this product ARE listed on the Canadian Domestic Substances List.
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.