Material Safety Data Sheet

Date of Preparation: October 27, 2006

Section 1 - Product Information

Product Name: RUBBERIZED UNDERCOATING
Product Code: 4111, 737, 705, 4211, 735, 737C, 707, 4986
Emergency Phone: Chemtrec 800-424-9300
Company: Bondo Corporation
3700 Atlanta Industrial Parkway NW
Atlanta, GA 30331
Revision Number: 5
Intended Use: Coating

Emergency Overview

Signs of Overexposure: Anesthesia, Euphoria, central nervous system effects (dizziness, drowsiness, weakness, fatigue, headache, unconsciousness), Temporary or permanent blindness, Intestinal upset (nausea, vomiting, diarrhea), Irritation of nose, throat, and airways, Shortness of breath, Irregular heart beat, Coma and death, temporary changes in mood and behavior, respiratory depression (slowing of the breathing rate), coma
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. Move to fresh air. If respiratory distress develops, seek medical attention. Wash with soap and water. Get medical attention.
Handling: Avoid contacting and avoid breathing the material. Use only in a well ventilated area.
Material Physical Appearance: Black Aerosol Liquid
Fire Fighting: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to 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: 4, Reactivity: 0 **HMIS:** Health: 2, Fire: 4, 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
Kaolin	20.0 - 30.0	1332-58-7	total dust: 15 mg/m3 TWA; respirable fraction: 5 mg/m3 TWA
Limestone, Ground	10.0 - 20.0	1317-65-3	No PEL established
Asphalt	10.0 - 20.0	8052-42-4	No PEL established
Propane	10.0 - 20.0	74-98-6	1000 ppm TWA; 1800 mg/m3 TWA
Butane	10.0 - 20.0	106-97-8	No PEL established
Naphtha (petroleum), heavy alkylate	10.0 - 20.0	64741-65-7	No PEL established
Methanol	1.0 - 5.0	67-56-1	200 ppm TWA; 260 mg/m3 TWA
Xylene	1.0 - 5.0	1330-20-7	100 ppm TWA; 435 mg/m3 TWA
Ethylbenzene	1.0 - 5.0	100-41-4	100 ppm TWA; 435 mg/m3 TWA

Section 3 – Hazards Identification

Routes of Entry: Skin contact, Eye contact, Inhalation, Skin contact, Absorption, Ingestion, Eye contact, Contact
Target Organs Potentially Affected by Exposure: Respiratory Tract, Eyes, Skin, Digestive Tract, Nervous System, Liver, Kidneys, Blood
Chemical Interactions That Change Toxicity: None Known
Medical Conditions Aggravated by Exposure: Respiratory disease including asthma and bronchitis, Eye disease, Skin disease including eczema and sensitization, Digestive tract disease, Liver disease, Kidney disease

Immediate (Acute) Health Effects by Route of Exposure
Inhalation Irritation: Can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. Sensitizer! Avoid exposure. If sensitized, exposure below the published exposure limits (e.g. TLV or PEL) can result in respiratory irritation, shortness of breath and difficulty breathing. These asthma-type symptoms may develop immediately or be delayed up to several hours. Harmful! Can cause severe irritation or burns and lung inflammation. Central nervous system effects such as dizziness, weakness, fatigue, nausea, headache, and unconsciousness are possible. Other possible symptoms include; wheezing and coughing due to pulmonary edema (fluid build-up in lungs).
Inhalation Toxicity: Toxic! Can cause systemic damage (see "Target Organs). Respiratory failure is possible at high doses. Inhalation may cause severe central nervous system depression (including unconsciousness).
Skin Contact: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage. Contact with product at elevated temperatures can result in thermal burns.
Skin Absorption: Toxic if absorbed through the skin. Likely to cause significant systemic damage. Substance can be absorbed through the skin in harmful amounts. Contains Methanol. May cause deterioration of the optic nerve if absorbed through the skin in large amounts.
Eye contact: Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible. Substance causes severe irritation. Permanent eye injury may result. Can cause irritation. Severely irritating.
Ingestion Irritation: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. This product may be harmful or fatal if swallowed.
Ingestion Toxicity: Toxic if swallowed. May cause target organ failure and/or death. Upon ingestion of a large quantity of this material, visual disturbances may occur. Onset of the response may be delayed.

Long-Term (Chronic) Health Effects
Carcinogenicity: None of the substances have been shown to cause cancer in long term animal studies. Not a carcinogen according to NTP, IARC, or OSHA. Animal studies indicate that a component of this product might have the potential to cause cancer in humans. No direct evidence that the substance is a human carcinogen exists however.
Reproductive and Developmental Toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects. Animal studies indicate that a component of this product might have the potential to cause reproductive harm in humans. No direct evidence that the substance is a reproductive hazard to humans exists however.
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 severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. Toxic! 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, toxic if absorbed through the skin. Likely to cause systemic damage.
Ingestion: Toxic if swallowed. May cause target organ failure and/or death.

Section 4 – First Aid Measures

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. 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. Thoroughly wash or discard clothing and shoes before reuse.
Ingestion: Do not induce vomiting and seek medical attention immediately. Provide medical care provider with this MSDS. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal. If swallowed, do not induce vomiting. Get medical attention immediately. Poison
Notes to Doctor: No additional first aid information available

Section 5 – Fire Fighting Measures

Flammability Summary: Extremely Flammable
Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.
Fire and/or Explosion Hazards: Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point.
Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death.
Fire Fighting Methods and Protection: Do not enter fire area without proper protection including self-contained toxic 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.
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, Toxic fumes., Toxic gases, Carbon dioxide, Carbon monoxide, Hydrocarbons
Flash Point (SFCC): -104 deg. C -155 deg. F
Lower Flammable/Explosive Limit: 0.6

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.

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.

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. Avoid contact with material, avoid breathing dusts or fumes, use only in a well ventilated area. Wash thoroughly after handling.

Do not get in eyes, on skin and clothing.

Ground and bond containers when transferring material "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Remove contaminated clothing and wash before reuse.

Follow all protective equipment recommendations provided in Section VIII.

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. Store in a cool dry place Store in a tightly closed container. Keep away from heat, sparks, and flame.

Section 8 – Exposure Controls/Personal Protection

Engineering Measures: Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Ventilation is required to maintain operator exposure below published exposure limits. Explosion proof exhaust ventilation should be used. Facilities storing or using this material should be equipped with an eyewash and safety shower.

Respiratory Protection: Respiratory protection will be required when handling this product. Use respirators only if ventilation cannot be used to eliminate symptoms or reduce the exposure to below acceptable levels. 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. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992). A written respiratory protection program, including provisions for medical certification, training, fit testing, exposure assessments, maintenance, inspection, cleaning, and convenient, sanitary storage must be implemented.

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 and a Face shield

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 Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield

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
Kaolin	respirable dust: 2 mg/m3 TWA (The value is for total dust containing no	Not Established	Not Determined
Limestone, Ground	Not Established	Not Established	Not Determined

Asphalt	(5 mg/m3) TWA	Not Established	Not Determined
Propane	simple asphyxiant; 2500 ppm TWA	Not Established	Not Determined
Butane	1,000 ppm /Aliphatic hydrocarbon gases, Alkane [C1-C4]	Not Established	Not Determined
Naphtha (petroleum), heavy alkylate	Not Established	Not Established	Not Determined
Methanol	200 ppm TWA; 262 mg/m3 TWA	250 ppm STEL; 328 mg/m3 STEL	6000 ppm
Xylene	100 ppm TWA; 434 mg/m3 TWA	150 ppm STEL; 651 mg/m3 STEL	Not Determined
Ethylbenzene	100 ppm TWA; 434 mg/m3 TWA	125 ppm STEL; 543 mg/m3 STEL	Not Determined

Section 9 – Physical and Chemical Properties

Physical State: Aerosol Liquid
Color: Black
Odor: None Mild Faint
pH: Not Determined
Solubility in Water: Not determined
Volatiles, % by weight: 32.5
Volatiles, % by volume: 48.77
Volatile Organic Compounds excluding exempt solvents and water:
2.63Lb/gallon 315.59 g/l
Volatile Organic Compounds including exempt solvents and water:
2.63LB/gallon 315.59g/l
Vapor Density: 3.66
Vapor Pressure: Not Determined
Boiling Point: -42.0000000 deg. C; -44 deg. F
Specific Gravity: 2.2
Weight per Gallon: 8.1105

Section 10 – Stability and Reactivity

Stability: Stable under normal conditions.
Conditions to Avoid: Sparks, open flame, other ignition sources, and elevated temperatures.Contamination
Materials to Avoid/Chemical Incompatibility: Strong oxidizing agents, Amines, Caustics (bases), Strong acids
Hazardous Decomposition Products: Carbon dioxide, Carbon monoxide, Toxic fumes., Toxic gases, Carbon dioxide, Carbon monoxide, Hydrocarbons, Carbon dioxide, Carbon monoxide, Hydrocarbons

Section 11 - Toxicological Information

Sensitization (effects of repeated exposure): No data

Component Toxicology Data (NIOSH)

Chemical Name	CAS Number	LD50/LC50
Kaolin	1332-58-7	No Data Available
Limestone, Ground	1317-65-3	No Data Available
Asphalt	8052-42-4	No Data Available
Propane	74-98-6	No Data Available
Butane	106-97-8	Inhalation LC50 Rat: 658 g/cu m/4 hr Inhalation LC50 Mouse: 680 g/cu m/2 hr
Naphtha (petroleum), heavy	64741-65-7	No Data Available

alkylate		
Methanol	67-56-1	Inhalation LC50 Rat : 64000 ppm/4H; Oral LD50 Rat : 5628 mg/kg; Oral LD50 Mous
Xylene	1330-20-7	Inhalation LC50 Rat : 5000 ppm/4H; Oral LD50 Rat : 4300 mg/kg; Dermal LD50
Ethylbenzene	100-41-4	Oral LD50 Rat : 3500 mg/kg; Dermal LD50 Rabbit : 17800 uL/kg

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: Aerosols, 3, UN 1950, LTD QTY, Flashpoint -83C, EmS F-D, S-U

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: A, B1D2A, 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: methanol, Xylene and ethylbenzene
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)	All components in this product are on the TSCA Inventory.
Canada (DSL)	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.