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MATERIAL SAFETY DATA SHEET
Cream Hardener

Date of Preparation: May 29, 2002

1. PRODUCT IDENTIFICATION **18677 Bondo Hardener** **18679 White Hardener**

Manufacturer Identification: Bondo Corporation
3700 Atlanta Industrial Parkway NW
Atlanta, GA 30331

Information: 770-441-8628 (USA 7:30 am – 4:30 pm Eastern Time)

Emergency Telephone: For US transportation emergencies call - For Canadian transportation emergencies call –
Chemtrec: 800-424-9300 Canutec: 613-996-6666

Product Use: Bodyfiller Hardener

Stock Number: #1, 2, 4, 4B, 4C, 4E, 6, 8, 9, 15, 301, 301C, 304, 304C, 30436, 306, 307, 307C, 308C, 309C, 3902, 30753, 30758, 30759, 308, 309, 913, 913C, 918, 924, 927, 928, 1009, 3900, 3901, 3902, 596, 596C, 9304, 20058, 63900 Cream Hardener – Red, White, Yellow, Blue 194C, 213, 214, 216, 251, 261E, 262C, 262E, 262K, 263, 263E, 263F, 264V, 262X, 265, 265C, 264E, 265H, 266E, 266M, 266J, 266P, 267, 267C, 267E, 276J

Emergency Overview

Signs of Overexposure: Nausea, chest pain, lack of coordination, shortness of breath, dermatitis, redness and/or pain in eyes.

Emergency First Aid: Move to fresh air, remove contaminated clothing, wash effected skin with soap and water, do not use solvents or thinners; if product gets into eyes, remove contact lenses, flush with water for 15 minutes.

Handling: In confined areas, wear organic vapor cartridge respirator (NIOSH/OSHA), solvent resistant gloves and safety eye protection. Do not eat, drink or smoke in work areas.

Material Appearance: Red

Material Physical Appearance: Paste

Other Precautions: Prolonged exposure may reduce the user's sensitivity to the odor, thus reducing the effectiveness of odor as a warning against exposure.

Fire Fighting: Organic Peroxide, refer to Guide 145 of the North American Emergency Guide Book.

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 as described in Section 2. "Hazardous Ingredients" and Section 9 "Physical and Chemical Properties".

2. HAZARDOUS INGREDIENTS

Hazardous Ingredient	Percent Weight	CAS No.	Vapor Press.	ACGIH TLV	OSHA PEL	LD ₅₀ Oral	LD ₅₀ Derm	LC ₅₀ Inhal	LEL
Benzoyl Peroxide	45-55%	94-36-0	n. ap.	5mg/m ³	5mg/m ³	7710	n. av.	n. av.	n. ap.
C9-C11 branched alkyl benzoate	10-20%	131298-44-7	n. ap.	n. av.	n. av.	>5000	n. av.	n. av.	n. ap.
Non-ionic surfaciant	1-5%	9036-95-3	n. ap.	n. av.	n. av.	n. av.	500	n. av.	n. ap.

LD₅₀ Oral – rat mg/m³, LD₅₀ Dermal – rabbit mg/m³, LC₅₀ Inhalation – rat mg/m³ unless otherwise specified.

3. HAZARDS IDENTIFICATION

Primary Routes of Entry: Inhalation, skin contact, ingestion, eyes.

Exposure Effects Acute and Chronic:

Inhalation: Acute: NA

Skin Contact: Acute: Can be absorbed through the skin with resulting dry skin, irritation, redness and dermatitis.

Eye Contact: Acute: Inflammation.

Ingestion: Acute: Gastrointestinal irritation, nausea, vomiting, may cause systemic eye effects by ingestion, hallucinations, distorted perceptions, kidney, ureter or bladder changes.

Chronic: Repeated overexposure to this product may cause; dermatitis, asthmatic effects, testicular atrophy and vasodilation.

Other Health Effects: None

4. FIRST AID MEASURES

Emergency and First Aid Procedures: In all cases if symptoms persist, seek medical attention

Inhalation - move to fresh air, give artificial respiration if necessary.

Skin contact – remove contaminated clothing, wash with soap and water or recognized skin cleaner. Do not use solvents or thinners.

Eye contact – contact lenses must be removed, flush with water for at least 15 minutes, consult a physician immediately.

Ingestion – consult a physician or poison control center immediately. Treat symptomatically.

Medical Conditions Prone to Aggravation: not known.

5. FIRE FIGHTING MEASURES

Flash Point (SFCC): NA

Lower Explosive Limit: NA

Extinguishing Media: foam, carbon dioxide, dry chemical or water fog or spray. Water jet or stream is unsuitable.

Unusual Fire and Explosion Hazards: Part of the oxygen for the fire comes from the material itself. Fire hazard increases as the material dries.

Special Fire Fighting Procedures: Water should be used to cool containers exposed to fire. Fire fighting personnel should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE

Steps To Be Taken In Case Material Is Released Or Spilled: Remove all sources of ignition. Avoid breathing vapors, ventilate confined area. Dike to reduce extent of spill. Remove with inert absorbent using non-sparking tools. If necessary report to applicable government agency.

7. HANDLING AND STORAGE

Precautions To Be Taken In Handling and Storing: Minimize contact between the worker and this material. Keep material sealed to prevent contamination and drying. Consult NFPA and local codes for additional storage requirements.

Hygienic Practices: Do not eat, drink or smoke in work areas. Wash hands before eating, smoking, or using the washroom. Launder clothing before reuse.

Other Precautions: Do not take internally. Observe label precautions. Keep closures tight and container upright to prevent leakage. The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks as required by regulations. Material has an offensive odor. Prolonged exposure may reduce the user's sensitivity to the odor, thus reducing the effectiveness of odor as a warning against exposure.

8. EXPOSURE CONTROLS

Primary Routes of Entry: Skin contact, ingestion, eyes.

Respiratory Protection: If odor bothers workers, wear a NIOSH/MSHA approved respirator device. See safety equipment supplier for evaluation and recommendation.

Ventilation: No special ventilation required.

Protective 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.

Eye Protection: Use safety goggles or face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

Evaporation Rate: NA

Vapor Pressure: NA

Boiling Range: Decomposes

Weight per Gallon (Specific Grav.): 10.0 (1.2)

Percent Volatile by Volume: NA

Physical state: Paste

10. STABILITY AND REACTIVITY

Stability: Stable

Incompatibility (materials to avoid): Dimethylaniline, cobalt naphthenate, accelerators, reducing agents.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Heat, open flame, sparks.

Hazardous Combustion Products: Dense white smoke of benzoic acid, phenyl benzoate, terphenyls, biphenyls, benzene and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity (risk of cancer): None known to IARC, ACGIH, or OSHA.

Sensitization (effects of repeated exposure): This product may cause skin sensitization to certain individuals.

Teratogenicity (risk of malformation in an unborn fetus): None Known

Reproductive Toxicity (risk of sterility): None Known

Mutagenicity (risk of heritable genetic effects): Mutation data has been reported.

Threshold Limit Value: None established for this product. For further information, see Section 9 – Hazardous Ingredients.

12. ECOLOGICAL INFORMATION

General Information: Avoid runoff into ground, storm or sewer that lead into waterways. Water runoff can cause environmental damage.

Environmental Impact Data (percentage by weight):

VOC: none **Ozone Depleters:** none **Heavy Metals:** none

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.

13. DISPOSAL INFORMATION

Waste Disposal Method: Dispose of in accordance with federal, state or provincial and local pollution requirements. This information applies only to the materials 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.

Other Information: When discarded in its supplied form, this product is not regulated.

14. TRANSPORTATION INFORMATION

Not regulated for ground shipments inside the United States.

15. REGULATORY INFORMATION

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.

Section 313 Toxic Chemicals: benzoyl peroxide. 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 ingredients are TSCA registered.

CEPA status: All ingredients are listed on the DSL or NDSL.

NFPA 704: Health 2, Fire 1, Reactivity 1

16. PREPARATION INFORMATION

Prepared by Bondo Corporation Research and Development Department
Phone: 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, provincial and local laws and regulations.