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276J
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2192,2193,2194,2196
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4394
5264,5264C,5264P,5266,5269
5321,5322,5325,5325T
5393,5394
5414
5494,5496
5594
5994
6006
6263E, 6264E
6788
9494, 9494G
9888
16499

MATERIAL SAFETY DATA SHEET

BONDO/MAR-HYDE CORPORATION
3700 ATLANTA INDUSTRIAL PARKWAY, N.W.
ATLANTA, GA 30331
404-696-2730
FOR TRANSPORTATION EMERGENCIES, CALL CHEMTREC 800-424-9300

SECTION I - PRODUCT IDENTIFICATION

Product Name: Lightweight Body Filler
Chemical Family: Unsaturated Polyester Resin
DOT Proper Shipping Name: Pints, Quarts, Gallons: Consumer Commodity; Two, Three, Five Gallons: Resin Solution
DOT Hazard Class: Pints, Quarts, Gallons: ORM-D; Two, Three Five Gallons: 3
DOT Identification Number: Two, Three, Five Gallons: UN 1866
Packing Group: III

SECTION II - HAZARDOUS INGREDIENTS & OTHER COMPONENTS

Ingredient	% By Weight	Exposure Limits	CAS #
Unsaturated Polyester Resin	<35	NE	26123-45-5
Styrene Monomer	<18	50 ppm-TWA[(1)]	100-42-5
		100 ppm-STEL	
Inert Fillers, such as	<50		
Talc, Non-Asbestiform		2 mg/m^3-TWA[(1)]	14807-96-6
Sodium Borosilicate Microspheres		15 mg/m^3-OSHA-PEL	1344-09-8 &
		10 mg/m^3-ACGIH-TLV	7775-19-1

SECTION III - PHYSICAL DATA

Boiling Point: (Styrene) 293^{0}F
Vapor Pressure: (mm Hg.) (Styrene) = 4.5
Vapor Density (AIR=1): (Styrene) 3.6
Solubility in Water: Negligible
Specific Gravity: 1..15
Percent Volatile By Wt.: 18
Evaporation Rate (Ether=1): Less
Appearance/Odor: White Paste, Styrene Odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: (Styrene) 90^{0}F (TCC) **Flammable Limits:** LEL-1.1% UEL-6.1%
Extinguishing Media: Carbon dioxide, dry chemical (small fires); foam and water fog (large fires)
Special Fire Fighting Procedures: Dense smoke seriously limits visibility. Vent smoke and use gas mask or remote air supply. Wear MSHA/NIOSH approved self-contained breathing apparatus with protective equipment.
Unusual Fire and Explosion Hazards: Isolate from heat, electrical equipment, sparks and open flame.

SECTION V - REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to Avoid): Strong acids, peroxides, and other oxidizing agents
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, low molecular weight hydrocarbons, organic acids
Hazardous Polymerization: May occur
Conditions to Avoid: Unregulated contact with organic peroxides, exposure to heat, open flame, and prolonged storage above 100^0F.

SECTION VI - SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case Material Is Released Or Spilled: Remove all sources of ignition. Increase ventilation to maximize vapor dispersal. Dike large spills to prevent runoff into sewers or waterways. This material may be removed by employing ordinary physical means, i.e., shoveling, wiping. Sweep/clean with inert materials, such as sand, vermiculite and place in closed container for disposal as solid waste.
Waste Disposal Method: Dispose of in accordance with Federal, State and Local regulations. If discarded, this material and containers are considered RCRA hazardous wastes based on the characteristic of ignitability (40CFR 261.21).

SECTION VII - HEALTH HAZARD DATA

Primary Route(s) of Entry:
Inhalation
Eye Contact
Skin Contact

Effects of Overexposure:
Acute: May cause eye and skin irritation. Vapors may cause mucous membrane irritation and upper respiratory tract discomfort.
Chronic: Repeated exposure to high concentrations of vapor may cause liver and kidney damage.
Medical Conditions Aggravated by Exposure: Individuals with chronic respiratory conditions (i.e., asthma, chronic bronchitis, emphysema, etc.) may be adversely affected by any fume or airborne particulate matter exposure.

Carcinogenicity: For hazard communication purposes under OSHA Standard 29CFR 1910.1200, styrene is listed as possibly carcinogenic to humans (Class 2B) by the International Agency for Research on Cancer (IARC). Neither data from various long-term animal studies nor from epidemiological studies of workers exposed to styrene provide adequate basis to conclude that styrene is carcinogenic.
Emergency and First Aid Procedures:
Eyes: Flush with plenty of water for at least 15 minutes. Seek immediate medical aid.
Skin: Wash with soap and water.
Inhalation: Remove victim from exposure. If unconscious, administer artificial respiration and/or oxygen as needed. Seek medical aid.
Ingestion: DO NOT INDUCE VOMITING (aspiration hazard). Seek immediate medical aid.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use adequate ventilation. NIOSH/MSHA approved organic vapor/dust respirator to avoid inhalation of excessive air contaminants.
Ventilation: Local exhaust ventilation should be used to control the emission of air contaminants. General dilution ventilation may assist with the reduction of air contaminant concentrations.
Eye Protection: Safety glasses recommended.
Protective Gloves: Polyvinyl alcohol and polyethylene have been recommended for protection against materials of this chemical class.
Other Protective Equipment: Safety showers and eye wash stations should be available.
Hygienic Practices: Clean hands with soap and water after every usage.

SECTION IX - SPECIAL PRECAUTIONS

Precautions To Be Taken in Handling and Storage: Avoid prolonged or repeated contact with the skin. Avoid eye contact. Store in a cool, dry area. Do not store in direct sunlight. Work with adequate general and local exhaust ventilation to minimize exposure to vapors. Bond and ground containers for transfer of this product to prevent static sparks. Styrene vapors are uninhibited and may cause blockage of ventilation vents due to polymerization. Periodic inspection may be necessary to prevent blockage. Avoid improper addition of promoters and oxidizing agents.

SECTION X - SUPPLEMENTAL INFORMATION

Regulatory Information:
VOC: VOC of this material = 216 g/l = 1.80#/gal.
VOC of material when mixed with Component B (Benzoyl Peroxide Hardener) = 0
SARA Title III: Styrene is listed as a SARA toxic chemical and is subject to the reporting requirements of section 313 Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
TSCA: All ingredients in this product are listed in the TSCA Inventory.
HMIS: Health - 2 Flammability - 3 Reactivity - 1

Prepared/Revised By: Safety/Environmental Services

Date: April 2, 2001

All statements, technical information, and recommendations contained herein are based upon available scientific tests or data which we believe to be reliable. Since we cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products may be used, Bondo/Mar-Hyde makes no warranties, express or implied, and assumes no responsibility in connection with any use of this information.

(1) The recommended permissible exposure limits (PELs) indicated in Section II reflect the levels revised by OSHA in 1989. The 1989 levels have been repealed by the 11th Circuit Court of Appeals. It is recommended that the lower PELs are observed to ensure worker protection.