

Material Safety Data Sheet

Molded Fiber Glass Tray Company

6175 Highway 6, Linesville, PA

Product: Sheet Molding Compound (SMC), Mix 05317 and 05319 UL5VA White

Section I - General Information

Emergency Telephone: 1-800-456-5263	Date Prepared: 1/5/10
Information Telephone: 440-994-5207	Prepared by: Perry Bennett

Section II - Hazardous Ingredients/Identity Information

Hazardous Component (Specific Chemical Name: Common Name)	Cas Number	OSHA PEL	ACGIH TLV	Weight %
Styrene	100-42-5	100 ppm	20 ppm	10-25
Fiberglass	65997-17-3	*15 mg/M3	***5 mg/M3	20-40
Zinc Stearate (nuisance dust)	557-05-1	*15 mg/M3	*10 mg/M3	1-2
Alumina Trihydrate (aluminum hydroxide) (nuisance dust)	21645-51-2	*15 mg/M3	*10 mg/M3	40-60

* Particles as total dust
*** Respirable fraction.

Section III - Physical/Chemical Characteristics

Boiling Point: NA	Melting point: NA	Specific Gravity (H2O=1): 1.8
Vapor Pressure (mmHg) (styrene) 5 at 68 F	Vapor Density (Air=1) (styrene) 3.6	
Solubility in Water: non-soluble	Evaporation rate (Butyl Acetate=1): (styrene) <1	
Appearance and Odor: white soft solid sheet covered in plastic wrap; styrene odor		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): NA	Flammable Limits LEL: 1.1%	UEL: 6.1%
Extinguishing Media: Carbon Dioxide, Dry, Powder, Foam		
Special Fire Fighting Procedures: Self-contained breathing apparatus in close proximity to fire.		
Unusual Fire and Explosion Hazards: Contains styrene, which will polymerize readily at elevated temperatures.		

Section V - Reactivity Data

Stability: Stable	Conditions to Avoid: Heat and flames.
Incompatibility (Materials to Avoid): Oxidizing Materials	
Hazardous Decomposition or Byproducts: Acrid fumes and carbon monoxide on thermal decomposition.	
Hazardous Polymerization: NO	Conditions to Avoid: Heat flames and oxidizing materials.

Section VI - Health hazard Data

Primary Routes of Entry:	Inhalation, skin contact, eye contact, ingestion
Health Hazards (Acute and Chronic):	Excessive inhalation may cause irritation to upper respiratory tract. Skin contact may cause irritation but is not a significant route of entry. Eye contact may cause eye irritation. Ingestion may cause gastrointestinal distress.
Carcinogenicity	NTP? NO IARC Monographs? YES OSHA Regulated? NO
Signs and Symptoms of Exposure:	Inhalation- Acute: Exposures above the OSHA PEL may result in respiratory irritation, headaches, nausea, dizziness Chronic: recent human studies suggest that exposure to styrene in concentrations over 30 ppm (8 hr TWA) for 15 years or more may result in slight hearing loss. Skin - Acute: irritation, defatting, dermatitis. Eyes - Acute: irritation, tearing. Ingestion - Acute: nausea, vomiting, diarrhea
Medical Conditions Generally Aggravated by Exposure:	Any condition generally aggravated by mechanical irritants in the air or on the skin.
Emergency First Aid Procedures:	For inhalation, remove to fresh air. If breathing is impaired get medical attention. Give artificial respiration if required. For eye contact, flush with clean water for at least 15 minutes, if irritation continues seek medical attention. For skin contact remove contaminated clothing, wash affected areas with plenty of soap and water. If ingested, DO NOT induce vomiting, and consult a physician.

Section VII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:	Discard into a waste container and remove to a waste storage area.
Waste disposal method:	Dispose in accordance with local, state, and federal regulations.
Precautions to be taken when handling and storing:	Elevated temperatures can initiate polymerization. Store in a cool place out of the sun. Keep away from flames. Use with adequate ventilation.
Other precautions:	Avoid prolonged breathing of vapors. Avoid prolonged or repeated contact with skin. Avoid eye contact. Do not take internally.

Section VIII - Control Measures

Respiratory protection (Specify Type):	If needed, use a NIOSH approved organic vapor respirator. Caution: Do not use respirators beyond their useful life.		
Ventilation	Local Exhaust:	Preferable to maintain vapor concentrations below exposure limits.	
	Mechanical (General):	Generally acceptable	Other: NA
Protective Gloves:	Neoprene, nitrile, or polyvinyl alcohol gloves to prevent skin contact		
Eye Protection:	Safety Glasses with side shields		
Other Protective Clothing or Equipment:	Emergency shower and eyewash station		
Work/Hygienic Practices	Wash thoroughly after handling with soap and water. Do not wash hands in solvents, as most solvents can dry the skin.		

Section IX - Additional Information

Carcinogenicity:	The International Agency for Research on Cancer (IARC) has classified styrene as Group 2B, "possibly carcinogenic to human", in supplement 7 to IARC's Monograph series. This classification is not based on new evidence that styrene might be carcinogenic, but rather on a revised definition for Group 2B and consideration of new data on styrene oxide. A review of epidemiologic (human) studies of styrene and cancer published in the Journal of Environmental Medicine by an expert panel concluded the following: "The available epidemiologic evidence does not support a casual relationship between styrene and any type of human cancer."
Shipping Information:	SMC is not DOT regulated.

The information herein is provided in good faith, but no warranty, expressed or implied, is made.