

FOR GEL COATS, RESINS, AND PAINT RELATED MATERIALS

HMIS CODES: H F R P
2 3 1 I

=====SECTION I – PRODUCT IDENTIFICATION=====

MANUFACTURER'S NAME: MULTI-TECH PRODUCTS CORPORATION
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DATE PRINTED: 09/22/05

TRADE NAME: GEL COAT, RESINS AND PAINT RELATED MATERIALS
PROPER SHIPPING NAME: 1263 PAINT RELATED FLAMMABLE

=====SECTION II – HAZARDOUS INGREDIENTS/IDENTITY=====

HAZARDOUS COMPONENT(S) (CHEMICAL & COMMON NAMES)	% (OPTIONAL)	OSHA PEL	ACGIH TLV	OTHER EXPOSURE LIMITS	CAS NO.
08 STYRENE MONOMER	35.72%	50 PPM	50 PPM	IARC 2B	100-42-5

SARA TITLE III STATUS: SEE ADDITIONAL INFORMATION SECTION

=====SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS=====

BOILING RANGE: High – 295.0 F Low 295.0 F
VAPOR PRESSURE (mm Hg): 430 MMHG @ 68 F
EVAPORATION RATE: Slower than Ether
SOLUBILITY IN WATER: Insoluble
MATERIAL V.O.C.: .001
APPEARANCE AND ODOR: White and aromatic

SPECIFIC GRAVITY (H2O=1): 1.570
VAPOR DENSITY (Air = 1): <1.0
WEIGHT PER GALLON: 11.05

=====SECTION IV – FIRE & EXPLOSION HAZARD DATA=====

OSHA FLAMMABILITY CLASSIFICATION: Class 1C
FLASH POINT: 89.0 F
FLAMMABLE LIMITS IN AIR BY VOLUME: STYRENE: LEL Lower: 1.1 UEL Upper: 6.1
A water stream can scatter flames. A spray of water may be used to cool fire-exposed containers.

DOT: Flammable Liquid
METHOD USED: COC

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG.

SPECIAL FIREFIGHTING PROCEDURES:
NONE KNOWN. HOWEVER, FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS TO AVOID INHALATION OF SMOKE OR VAPORS.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND OPEN FLAME. VAPORS MAY BE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND BEFORE IGNITION/FLASHING BACK TO VAPOR SOURCE. KEEP WELDING OR CUTTING EQUIPMENT AWAY FROM PRODUCT.

=====SECTION V – REACTIVITY DATA=====

STABILITY:
Stable; Hazardous decomposition not expected; thermal decomposition may produce toxic oxides of carbon and/or nitrogen.

CONDITIONS TO AVOID:
Avoid exposure to sparks, open flame, hot surfaces, and all sources of heat and ignition.

INCOMPATIBILITY (MATERIALS TO AVOID):
Strong acids, peroxides, and other oxidizing agents, organic metal soaps.

SECTION VI – HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL:

OSHA PEL and ACGIH TLV for styrene are both 50 ppm for an 8-hour Weighted Average (TWA). The OSHA and ACGIH Short Term Exposure Level (STEL) are 100 ppm for a 15-minute period (no ceiling for brief exposures), however the average for a single STEL period must not exceed 100 ppm.

EFFECTS OF OVEREXPOSURE:

SKIN: Prolonged or frequent contact may cause defatting and dryness of the skin with resultant irritation and possible dermatitis. Styrene may be absorbed through the skin in toxic amounts.

EYES: May cause irritation. Liquid splashes may result in more serious injuries. May cause lachrymation (tears).

INHALATION: Vapors may cause mucous membrane irritation and upper respiratory tract discomfort. High concentrations may result in headache, nausea, insensibility and other central nervous system effects. Repeated exposure to high concentrations may cause liver and kidney damage.

INGESTION: May cause gastrointestinal disturbances, pain and discomfort.

FIRST AID:

SKIN: Wash with soap and water.

EYES: Flush with copious amounts of water for 15 minutes. Seek immediate medical attention.

INHALATION: Remove victim from exposure. If victim is unconscious, administer CPR and/or oxygen as needed. Seek immediate medical attention.

INGESTION: **DO NOT INDUCE VOMITING (Aspiration hazard).** Seek immediate medical attention.

CARCINOGENICITY:

The International Agency for Research on Cancer (IARC) has classified Styrene as possibly carcinogenic to humans (Class 2B) The IARC 2B classification is not based on significant new evidence that Styrene might be a carcinogenic, but on a revised IARC classification scheme and new data on styrene oxide.

STYRENE: LD50 (ORAL/RAT) 5 GM/KG; LD50 (DRML/RABBIT) 2820 MG/KG; LC50 (INHL/RAT) 24 GM/M3/4H

ADDITIONAL INFORMATION SECTION

SARA TITLE III STATUS:

This product contains the following toxic chemical subject to the reporting requirements of Section 313 of SARA TITLE III and 40 CFR 372:

Styrene Monomer CAS# 100-42-5 12.0%

This material has been categorized as having the following hazards as defined by SARA TITLE III regulations 311/312 (40CFR 370):

Acute, Chronic, Fire, Reactive