Kcva. 9-26-01
PMI

ENVIRONMENTAL DATA SHEET

***** MUST NOT BE DETACHED FROM MATERIAL SAFETY DATA SHEET *****

*** IF MSDS IS COPIED AND REDISTRIBUTED, THIS NOTICE MUST BE ATTACHED ***

MANUFACTURED BY: Eastman Chemical Company DATE OF LAST CHANGE: 1/03/14
400 East Cottage Place
Carpentersville, IL. 60110

PRODUCT NAME: 733-2246
PRODUCT CLASS: UNSATURATED POLYESTER RESIN

SECTION I. PRODUCT IDENTIFICATION/COMPOSITION

PROD	COMPONENT	CAS NUMBER	PERCENT
P	UNSATURATED POLYESTER RESIN	MIXTURE	100
---	---TYPICAL DISTRIBUTION OF HAZARDOUS COMPONENTS--	----------	-------
1	STYRENE	100-42-5	33.5

SECTION II. SARA TITLE III INFORMATION

PROD	EHS RQ (LBS) (*1)	EHS TPQ (LBS) (*2)	SEC 313 (*3)	311/312 CATEGORIES (*4)
P	20,000,000			1 3 4 5
1			YES	1 3 4 5

FOOTNOTES

*1 = REPORTABLE QUANTITY OF EXTREMELY HAZARDOUS SUBSTANCE, SARA SEC.302/304
*2 = THRESHOLD PLANNING QUANTITY, EXTREMELY HAZARDOUS SUBSTANCE, SARA SEC.302
*3 = TOXIC CHEMICAL, SARA SEC 313
*4 = HAZARD CATEGORY FOR SARA SEC. 311/312 REPORTING
1 = FIRE HAZARD
2 = SUDDEN RELEASE OF PRESSURE HAZARD
3 = REACTIVE HAZARD
4 = IMMEDIATE (ACUTE) HEALTH HAZARD
5 = DELAYED (CHRONIC) HEALTH HAZARD

SECTION III. DOT/CERCLA INFORMATION

THE CERCLA REPORTABLE QUANTITY (RQ) FOR THIS MIXTURE IS 2,988 LBS.
WHICH IS BASED ON THE RQ OF EACH INGREDIENT AND ITS PERCENT IN MIXTURE.

SECTION IV. ADDITIONAL REGULATORY INFORMATION

THE POLYMER AND ALL COMPONENTS OF THIS PRODUCT ARE PRESENT ON THE UNITED STATES TOXIC SUBSTANCES CONTROL ACT (TSCA) CHEMICAL SUBSTANCES INVENTORY.

SECTION VIII. SPECIAL PROTECTION INFORMATION 733-2246 (CONT.)

RESPIRATORY PROTECTION:
Avoid breathing vapor or mist. If exposure may or does exceed occupational exposure limits (SEC.IV) use a NIOSH-approved respirator to prevent overexposure. In accord with 29CFR 1910.134 use either a full-face, atmosphere-supplying respirator or air-purifying respirator for organic vapors.

VENTILATION:
Local exhaust must be sufficient to keep airborne vapor concentrations below the TLV limit. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

PROTECTIVE GLOVES:
Polyvinyl alcohol gloves.

EYE PROTECTION:
Splash goggles.

OTHER PROTECTIVE EQUIPMENT:
Polyvinyl alcohol apron. Eye bath and safety shower. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM:
See first page of MSDS.

SECTION IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
Drums: Protect against physical damage. Outside or detached storage preferred.
Bulk: Storage should be in standard flammable liquid storage tanks.

OTHER PRECAUTIONS:
All equipment should be grounded and bonded to reduce static electricity hazard. Use non-sparking tools.

Overexposure to material has apparently been found to cause the following effects in laboratory animals: liver abnormalities, kidney damage, lung damage.

RECENT DATA DOES NOT SUPPORT THE CHANGE IN THE CLASSIFICATION BY IARC OF STYRENE TO BE A SUSPECTED CARCINOGEN.

At the conclusion of a major notice and comment rulemaking revising its air contaminants regulations, OSHA concluded that the "current

SECTION IV. FIRE AND EXPLOSION HAZARD DATA 733-2246(CONT.)

LOWER EXPLOSION LIMIT: 2.00
UPPER EXPLOSION LIMIT: 13.80

EXTINGUISHING MEDIA:
Use foam, carbon dioxide or chemical fire fighting apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat.

SPECIAL FIRE FIGHTING PROCEDURES
The use of self-contained breathing apparatus is recommended for fire fighters. Water spray may be used for cooling containers to prevent possible pressure build-up and auto-ignition or explosion when exposed to extreme heat. Avoid spreading burning liquid with water used for cooling.

SECTION V. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:
See Section II.

EFFECTS OF OVEREXPOSURE:
--- EYES CONTACT:
Severe irritation, redness, tearing and blurred vision.
--- SKIN CONTACT:
Prolonged or repeated exposure can cause moderate irritation, defatting, dermatitis and sensitization.
--- INHALATION:
Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea and headache. High concentrations may result in narcosis. (Central Nervous System depression)
--- INGESTION:
Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

Chronic exposure may cause damage to the Central Nervous System, Respiratory System, Lungs, Eyes, Skin, Gastrointestinal Tract, Liver, Spleen and Kidneys.

OTHER HEALTH EFFECTS:
Based upon a re-evaluation of previous negative and equivocal data and an increased incidence of lung tumors after oral administration in young adult mice, the International Agency for Research on Cancer (IARC) has listed styrene among those materials for which there is limited evidence for carcinogenicity in animals.

EMERGENCY AND FIRST AID PROCEDURES
--- EYES CONTACT:

SECTION V. DISCLAIMER 733-2246(CONT.)

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