U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917) Date Issued 1/22/86

SECTION I

MANUFACTURER'S NAME
K-S-H, INC.

ADDRESS
10091 Manchester Rd., St. Louis, MO 63122

CHEMICAL NAME AND SYNONYMS
General Purpose Polystyrene

TRADE NAME AND COMMON NAMES

FORMULA
N.A.

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS % TLV (Limit) ALLOYS AND METALLIC COATINGS % TLV (Limit)
PIGMENTS BASE METAL
CATALYST ALLOYS
VEHICLE METALLIC COATINGS
SOLVENTS FILLER METAL PLUS COATING OR CORE FLUX
ADDITIVES OTHERS

OTHERS

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES % TLV (Limit)

This is a solid polymer. Not hazardous under current OSHA regulations.

SECTION III - PHYSICAL DATA

BOILING POINT (°F.) N.A. SPECIFIC GRAVITY (H2O=1) 1.04-1.05

VAPOR PRESSURE (MM Hg) N.A. PERCENT VOLATILE BY VOLUME (%) N.A.

VAPOR DENSITY (AIR=1) N.A. EVAPORATION RATE (N.A. +1)

SOLUBILITY IN WATER NIL

APPEARANCE AND ODOR SOLID, NO ODOR

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)
Autoignition temp 550°C (1022°F) ASTM D1929-B N.A.

FLAMMABLE LIMITS
Lower N.A.
Upper N.A.

EXTINGUISHING MEDIA
Water Fog, Foam, CO2, Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES
Wear HNSA/NFPA approved, pressure demand self-contained breathing apparatus or equivalent.

UNUSUAL FIRE AND EXPLOSION HAZARDS
NONE

N.A. - Not Applicable

(Continued on reverse side)
SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
Not established for polymer.

EFFECTS OF OVEREXPOSURE
None observed.

EMERGENCY AND FIRST AID PROCEDURES
Eye/skin contact: flush with water. If molten polymer contacts skin, cool rapidly with cold water and obtain medical attention for thermal burns.

SECTION VI - REACTIVITY DATA

STABILITY
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CONDITIONS TO AVOID
X Heating above 500°F

INCOMPATIBILITY (Materials to Avoid)
NONE

HAZARDOUS DECOMPOSITION PRODUCTS
Carbon monoxide, hydrocarbons

HAZARDOUS POLYMERIZATION

MAY OCCUR | CONDITIONS TO AVOID
WILL NOT OCCUR | X

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Sweep carefully to prevent slipping hazard.

WASTE DISPOSAL METHOD
Incorporation or landfill according to local, state and federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)
None required under normal processing conditions.

VENTILATION
LOCAL EXHAUST
At processing equipment. SPECIAL N.A.

MECHANICAL (General)
N.A. OTHER N.A.

PROTECTIVE CLOTHES
When handling hot polymer or equipment. Safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT
N.A.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Store in cool (less than 90°F) Dry storage area in absence of direct natural or artificial light.

OTHER PRECAUTIONS
None

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