

MATERIAL SAFETY DATA SHEET
KEY #450 ELECTRO-STATIC DISSIPATING URETHANE TOPCOAT, PART B

PRODUCT NAME: KEY #450 Electro-static Dissipating URETHANE TOPCOAT, PART B **HMS CODES:** H F R P
PRODUCT CODE: KEY 450-ESD 0 0 0

SECTION 1: MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: KEY RESIN COMPANY
ADDRESS: 4061 Clough Woods Drive
Batavia, OH 45103
EMERGENCY NUMBER: 1-800-424-9300 **DATE PRINTED:** 03/07/06
INFORMATION NUMBER: 1-513-943-4225 **NAME OF PREPARER:** R. CAIN

SECTION 2: HAZARDOUS INGREDIENTS/SARA III INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	WT %	VAPOR PRESS.
Homopolymer of HDI	28182-81-2	.5 mg/m3**	1.0 mg/m3***	45-50	NE
1-Methoxy-2-Propyl Acetate	108-65-6	NE	NE	15-30	3.7 hg @ 68 deg F
*Xylene	1330-20-7	100 PPM	100 PPM	10	19 hg @ 100 deg F
N-Butyl Acetate	123-86-4		150 PPM	9.78	0 hg @ 0 deg F

*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

**Recommended TWA

***STEL

Substances listed are present in concentration of 1% or greater, or 0.1% if cited as a potential Carcinogen in the OSHA hazards communication standard. Where proprietary ingredient is listed, the identity is provided in 29 CFR 1910.1200.

NE - Not Established

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE	284°F - 295°F
VAPOR DENSITY	Lighter than air
VAPOR PRESSURE	Not determined
VOC	3.55 lb/gal
SOLUBILITY IN WATER	Insoluble
APPEARANCE AND ODOR	Clear to amber liquid, mild aromatic odor
SPECIFIC GRAVITY (H20=1)	1.04
EVAPORATION RATE	Slower than ether

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 115° F
METHOD USED: TCC
FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 1
UPPER: 13.1

EXTINGUISHING MEDIA: Foam, CO2, Dry Chemical

OSHA FLAMMABILITY CLASSIFICATION:

SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH/MSHA approved respirators.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

SECTION 5: REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Keep away from heat, sparks, open flame. All sources of ignition.

INCOMPATIBILITY (MATERIALS TO AVOID): Water, strong oxidizers.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon dioxide and possibly carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 6: HEALTH HAZARD DATA

HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

INHALATION: Vapor or mist may cause respiratory irritation, dizziness and/or nausea. Tightness of chest, shortness of breath, headache.

SKIN: May cause skin irritation.

EYE: May cause eye irritation.

SKIN ABSORPTION: Repeated or prolonged contact can cause defatting and irritation.

INGESTION: Call a physician. Do not induce vomiting. Never give anything by mouth to an unconscious person.

HEALTH HAZARDS (ACUTE AND CHRONIC): Primary routes of entry: Inhalation, skin and eye contact. May irritate eye and skin. Inhalation of vapor or mist may produce respiratory irritation.

CARCINOGENICITY: NTP CARCINOGEN: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO

SECTION 6: HEALTH HAZARD DATA (CON'T)

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Chronic respiratory conditions. Skin allergies, eczema.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with cool water for at least 15 minutes. Call a physician.

SKIN: Wash thoroughly with soap and water. Call a physician if necessary.

INGESTION: Call a physician. Never give anything by mouth to an unconscious person.

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition. Soak up with absorbent material and remove to closed container. Wash area with mild detergent and water. Dispose of in accordance with local, state and federal regulations.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state and federal EPA regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep away from children. Do not get in eyes or on skin or clothing. Do not take internally. Keep container closed. Avoid breathing vapor or dust. Wash thoroughly after handling. Use with adequate ventilation.

OTHER PRECAUTIONS: Protect from freezing.

SECTION 8: CONTROL MEASURES

RESPIRATORY PROTECTION: Use NIOSH approved carbon mask respirator under appropriate OSHA standards and regulations. A combination of both proper ventilation and respiratory protection would tend to eliminate most risks.

VENTILATION: Local exhaust is recommended.

PROTECTIVE GLOVES: Recommended

EYE PROTECTION: Wear liquid chemical goggles. Contact lenses should not be worn.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye wash facility and safety shower recommended.

WORK/HYGIENIC PRACTICES: Wash hands with soap and water after using and before eating.

SECTION 9: REGULATORY INFORMATION

D. O. T. PROPER SHIPPING NAME: Resin Solution, flammable; 3; UN1866; PG III

Not Regulated in containers under 110 Gals for domestic ground shipment

PROPER SHIPPING NAME: Resin Solution, flammable

HAZARD CLASS: Class 3, Flammable Liquid

UNNA ID NUMBER: UN 1866

PACKING GROUP III

TOXIC SUBSTANCES CONTROL ACT (TSCA): This product and/or all the ingredients contained in this product have been registered under the Toxic Substances Control Act.

R.C.R.A. This product has a flash point of less than 140 degrees Fahrenheit (TCC). This means that it is within the flash point definition of "Ignitable Waste" as defined in 40 CFR-261, "Identification and Listing of Hazardous Wastes." Should the undiluted or concentrated material be discarded, it would be classified as hazardous. The EPA Hazardous waste number is D001.

This product has been reviewed in accordance with sections 311 (MSDS inventory) and section 312 (TIER I/II inventory) of the superfund amendment and Reauthorization Act of 1986 (CFR 40 370.2) for "Hazard Category" status. Under applicable definitions, this product meets the following categories: immediate (acute) health hazard.

SARA TITLE III SECTION 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

CAS #	Chemical Name	Percent by Weight
1330-20-7	Xylene	10%

This product contains one or more Aromatic Hydrocarbon Solvents (E.,G. Toluene, Xylene, Ethyl Benzene, Naphthalene). Prolonged and repeated exposure to high concentrations may result in the loss of appetite, or liver, kidney or nervous system damage. This product contains Benzene, prolonged and repeated exposure to benzene has been associated with Anemia and Leukemia in Humans. This product may produce or enhance neurotoxic symptoms when used in conjunction with other organic solvents. Symptoms of Neurotoxicity may include numbness or tingling of the extremities. Exposures to this product should be minimized whenever possible. The use of protective equipment is strongly recommended.

Reports of animal studies using both sexes of several species have shown that kidney effects can occur in male rats after prolonged and repeated inhalation exposures to light hydrocarbon vapors of the general type represented by this product. While the effects are of low -order of severity in animals, the implications of these results have not yet been determined.

SECTION 10: DISCLAIMER

Data and recommendations presented herein are based upon our and other researchers and are believed to be accurate. The products discussed are distributed without warranty (expressed or implied) and the customer shall make his own determination of suitability for his particular purpose.