

**MATERIAL SAFETY DATA SHEET
KEY UNIVERSAL**

PRODUCT NAME KEY UNIVERSAL
PRODUCT CODE:

HMIS CODES: H F R P
3 3 1 --

SECTION 1: MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: KEY RESIN COMPANY
ADDRESS: 4061 Clough Woods Drive
Batavia, OH 45103
INFORMATION NUMBER: 1-513-943-4225

DATE PRINTED: 03/28/06
NAME OF PREPARER: R. CAIN

SECTION 2: HAZARDOUS INGREDIENTS/SARA III INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	WT %	VAPOR PRESS.
Aluminum	7429-90-5	NE	10 mg/m ³	20-25	Not applicable
Xylene (Xylol)	1330-20-7	100 ppm	100 ppm	2-3	5.1 mm/Hg 68°F
Aromatic Petroleum Distillate	64742-95-6	100 ppm	NE	25-30	3 mm/Hg 68°F
Diphenylmethane Diisocyanate (MDI)	26447-40-5	0.020 ppm .200 mg/m ³	.005 ppm .051 mg/m ³	50-55	10 mm/Hg 77°F

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 available as provided in 29 CFR 1910.1200.

NE - Not Established

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE : 275°F
VAPOR DENSITY : Heavier than air
PERCENT VOLATILE BY VOLUME : 47±1
SOLUBILITY IN WATER :
WEIGHT PER GALLON : 9.1±0.2 lb.
SPECIFIC GRAVITY (H20=1) :
EVAPORATION RATE : Slower than ether

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 88°F

METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 1.0
UPPER: NE

EXTINGUISHING MEDIA: Foam, Alcohol Foam, CO₂, Dry Chemical

OSHA FLAMMABILITY CLASSIFICATION: OSHA: Flammable Liquid IC, DOT: Flammable Liquid

SPECIAL FIRE FIGHTING PROCEDURES: Wear a NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Use water to keep fire exposed containers cool. Water may be ineffective as an extinguishing agent.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and may travel along the ground or be moved by ventilation to ignition sources at locations distant from material handling point. Pressure build up in containers could create an explosion hazard. Conditions of fire may generate oxides of carbon and nitrogen.

SECTION 5: REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: High Temperature, all sources of ignition

INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing agents, strong acids & bases

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon monoxide, carbon dioxide, nitrogen oxides and organic compounds.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 6: HEALTH HAZARD DATA

HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

INHALATION: Allergic reaction, shortness of breath, tight chest, coughing, headaches.

SKIN: Solvent may cause skin irritation and defatting.

EYE: Irritation and redness to eyes and blurred vision.

INGESTION: Nausea, vomiting.

HEALTH HAZARDS (ACUTE AND CHRONIC):

CARCINOGENICITY: **NTP CARCINOGEN:** No **IARC MONOGRAPHS:** No **OSHA REGULATED:** No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with water for 15 minutes and get medical attention.

SKIN: Wash with soap and warm water.

INGESTION: do not induce vomiting. Get medical attention.

INHALATION: Remove to fresh air. If symptoms persist, get medical attention.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Cover with absorbent material such as vermiculite. Place in metal containers.

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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool place away from all sources of ignition.

OTHER PRECAUTIONS: Burning of cured film also may generate potentially toxic oxides of carbon and nitrogen.

SECTION 8: CONTROL MEASURES

RESPIRATORY PROTECTION: When spraying, use NIOSH approved respirator.

VENTILATION: Mechanical preferred.

PROTECTIVE GLOVES: Rubber or neoprene.

EYE PROTECTION: Goggles or safety glass with side shields.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Protective body covering clothing

WORK/HYGIENIC PRACTICES: Wash hands thoroughly after use and before eating, drinking, or smoking.

SECTION 9: REGULATORY INFORMATION

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	2-3%

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

PROPER SHIPPING NAME: Resin Solution, flammable

HAZARD CLASS: Class 3, Flammable Liquid

UNNA ID NUMBER: UN 1866

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.