



M A T E R I A L S A F E T Y D A T A S H E E T

PRODUCT NAME: Key Seal

PRODUCT CODE: KEY 620

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HMIS CODES: H F R P

2 1 1 X

SECTION I : MANUFACTURER'S IDENTIFICATION

MANUFACTURER'S NAME:

Keystone Automotive Industries

ADDRESS:

700 East Bonita Ave.
Pomona, CA 91767

EMERGENCY PHONE : (800) 424 - 9300

INFORMATION PHONE : (800) 772 - 5557

FAX NUMBER : (909) 624 - 9136

DATE PRINTED : 2/21/03

SECTION II : HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS#	VAPOR PRESSURE		WEIGHT PERCENT
		mm Hg@TEMP		
* Xylene OSHA TWA 100ppm, STEL 150ppm	1330-20-7	9.5	20 C	20 - 25
* PETROLEUM HYDROCARBON RESIN	68478-07-9			10 - 15

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372. WARNING: DETECTABLE AMOUNTS OF A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM MAY BE PRESENT IN THIS PRODUCT.

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE:

282 F

VAPOR DENSITY:

Heavier than air.

COATING V.O.C.:

2.68 lb/gl

SOLUBILITY IN WATER:

Non Soluble.

SPECIFIC GRAVITY (H2O=1):

1.2883

EVAPORATION RATE:

Faster than n-butyl acetate.

MATERIAL V.O.C.:

2.68 lb/gl

APPEARANCE AND ODOR:

Light tan in color, solvent odor.

SECTION IV : FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:

79 F

FLAMMABLE LIMITS IN AIR BY VOLUME:

EXTINGUISHING MEDIA:

Carbon dioxide, dry chemical, foam and water spray.

METHOD USED:

TCC

LOWER:

1.0

UPPER:

7.0



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SPECIAL FIREFIGHTING PROCEDURES:

Respiratory equipment should be worn to avoid inhalation of concentrated vapors. Water should not be used except as a fog to keep nearby containers cold. Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Not applicable. Non-flammable: ordinary combustible material.

SECTION V : REACTIVITY DATA

STABILITY:

Stable.

CONDITIONS TO AVOID:

High temperatures, flame, sparks. Excessive heat, poor ventilation, corrosive atmospheres, excessive age. Poor ventilation, corrosive atmospheres. Avoid strong acids or bases in bulk and elevated temperatures.

INCOMPATIBILITY (MATERIALS TO AVOID):

Alkaline materials, strong acids, and oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Oxides of carbon, toxic fumes, peroxides.

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION VI : HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Routes of Entry: inhalation, skin contact, ingestion, eyes. Acute: Nose and throat irritation, lung injury, allergic respiratory reaction, nausea, cough, shortness of breath, dehydration, dizziness, weakness, headache, anesthesia, drowsiness, fatigue, chest pain, vomiting, central nervous system effects, and asphyxiation. Vapors released during curing may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Prolonged or repeated exposure may cause: Allergic Respiratory Reaction: Signs/symptoms may include difficulty breathing, wheezing, cough, and tightness of chest.



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SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Skin Contact: acute: extraction of natural oils with resulting dry skin, irritation, allergic skin reactions, redness and dermatitis. Can be absorbed through the skin causing drowsiness. Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, and itching. Prolonged or repeated exposure may cause: Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Acute: gastrointestinal irritation, nausea, vomiting, diarrhea, weakness, dizziness, drowsiness, fatigue, lack of coordination, central nervous system effects, and depression.

HEALTH HAZARDS (ACUTE AND CHRONIC):

In all cases if symptoms persist, seek medical attention. Other Health Effects: intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

CARCINOGENICITY: NTP CARCINOGEN:

No

IARC MONOGRAPHS:

No

OSHA REGULATED:

No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Pulmonary conditions, liver conditions, kidney conditions, respiratory conditions, neurological disorders, cardiovascular diseases, pregnancy, reproductive system disorders.

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation Overexposure: move person to fresh air. If breathing stops apply artificial respiration and seek immediate medical attention. Eye Contact: Flush with large quantities of water for 15 minutes. Skin Contact: Wash thoroughly with soap and water and see a doctor. Ingestion: Do not induce vomiting, can cause chemical pneumonitis and pulmonary edema. Contact physician immediately.



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SECTION VII : PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Eliminate ignition sources, provide good ventilation, dike spill area and add absorbent earth or sawdust to spilled liquid.

WASTE DISPOSAL METHOD:

Collect absorbent/spilled liquid mixture into metal container cover and seal container. Consult local, state, & federal hazardous waste regulations before disposing into approved hazardous waste landfill. Obey relevant laws. Dispose of in accordance with federal, state or provincial and local pollution requirements. In addition, rags spray booth filters, paint suits, empty cans, etc., contaminated with product may be hazardous waste. Determine whether contaminated items are hazardous and dispose of as appropriate. Clean preferably with a detergent, avoid the use of solvents.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Avoid eye contact with vapors, mists, or spray. Avoid breathing of dust created by cutting, sanding, grinding, or machining. Do not breathe vapors. Avoid prolonged or repeated skin contact. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Avoid contact with water to prevent potentially violent reaction with fire.

OTHER PRECAUTIONS:

Smoking in area where this material is used should be strictly prohibited. Tools used with this material should be made from aluminum, brass or copper. Plastic utensils should not be used. Note: This information is accurate to the best of our knowledge but is furnished without any expressed or implied warranties. These products may be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

SECTION VIII : CONTROL MEASURES

RESPIRATORY PROTECTION:

When spraying this material use NIOSH approved cartridge respirator to keep airborne mists and vapor concentrations below the time weighted threshold limit values. When using in poorly ventilated and confined spaces, use a fresh-air supplying respirator or self-contained breathing apparatus. Where overspray is present, a positive pressure air supplied respirator should be worn. If unavailable, a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2 may be effective. Follow respirator manufacturer's directions for



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use. Wear the respirator for the whole time of spraying and until all vapors and mists are gone. NO PERSONS SHOULD BE ALLOWED IN THE AREA WHERE THESE PRODUCTS ARE BEING USED UNLESS EQUIPPED WITH THE SAME RESPIRATOR PROTECTION RECOMMENDED FOR THE PAINTERS. When sanding or blasting the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

VENTILATION:

General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below TLV. Ventilation equipment must be explosion proof. Ventilation: Provide sufficient ventilation to keep vapor concentration below the given TLV and/or PEL. For baking finishes, exhaust vapors emitted during heating. Remove decomposition products formed during welding or flame cutting of surfaces coated with this product.

PROTECTIVE GLOVES:

Protective Gloves: Required for prolonged or repeated contact. Use solvent resistant gloves. Barrier creams are not substitutes for full physical protection. Refer to safety equipment supplier for effective glove recommendations.

EYE PROTECTION:

Eye Protection: Use safety goggles or face shield designed to protect against splash of liquids when spraying or when working with open liquids such as during mixing or pouring.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

In cases where no monitoring for airborne contaminants has been carried out, assume maximum exposure and use antistatic paint suit, goggles, gloves, and air supplied respiratory equipment. All personal protective should meet NIOSH or OSHA requirements.

WORK/HYGIENIC PRACTICES:

Eye washes and safety showers in the workplace are recommended. Hygienic Practices: Do not eat, drink or smoke in work areas. Wash hands before eating, smoking, or using the washroom. Launder clothing before reuse.

SECTION IX : DISCLAIMER

Do not handle until the manufacturer's safety precautions have been read and understood. Regulations require that all employees be trained on Material Safety Data Sheets for all products with which they come in contact. While we believe that the data contained herein is accurate and derived from qualified sources, the data are not to be taken as a warranty or representation for which we assume legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and



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information must be determined by the user to be in accordance with applicable federal, state, provincial and local laws and regulations.