

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: 2K Urethane Sealer (Non-Sanding)

PRODUCT CODE: KEY 840

Page 1

Section 1 -- PRODUCT AND COMPANY 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 : 12/9/2009

HMIS CODES
Health 2
Flammability 2
Reactivity 1
PPE G

Section 2 -- COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

% by WT	CAS No.	INGREDIENT	UNITS	VAPOR PRESSURE
1 - 5%	108-65-6	Propylene Glycol Monomethyl Ether Acetate	ACGIH TLV N/E ACGIH STEL N/E OSHA PEL N/E OSHA STEL N/E	3.7
5 - 20%	79-20-9	Methyl Acetate	ACGIH TLV TWA: 200.000 PPM ACGIH STEL 250.000 PPM OSHA PEL TWA: 200.000 ppm OSHA STEL 250.000 PPM	162.70
1 - 5%	67-64-1	Acetone	ACGIH TLV TWA: 500 ppm ACGIH STEL 750 ppm OSHA PEL TWA: 1000 ppm OSHA STEL 1000 ppm	185
< 1%	8052-41-3	Mineral Spirits	ACGIH TLV TWA: 100 ppm OSHA PEL TWA: 500 ppm	2.00
< 1%	64742-89-8	Aliphatic Naphtha	ACGIH TLV TWA: 300 ppm OSHA PEL TWA: 300 ppm	5.2
< 1%	108-88-3	Toluene	ACGIH TLV TWA: 50 ppm ACGIH STEL 150 ppm OSHA PEL TWA: 300 ppm OSHA STEL 200 ppm	38
1 - 5%	1330-20-7	Xylene	ACGIH TLV 150 ppm ACGIH STEL 150 ppm OSHA PEL 100 ppm OSHA STEL 150 ppm	9.5
20 - 50%	98-56-6	Parachlorobenzotriflouride	ACGIH TLV N/E ACGIH STEL N/E OSHA PEL N/E OSHA STEL N/E	5.3
< 1%	107-98-2	1-Methoxy-2-Propanol	ACGIH TLV 100 ppm ACGIH STEL 150 ppm OSHA PEL N/E OSHA STEL N/E	10.9
< 1%	77-58-7	Dibutyltin Dilaurate	ACGIH TLV TWA: 0.1 mg/m3 ACGIH STEL 0.02 mg/m3; skin OSHA PEL TWA: 0.1 mg/m3 OSHA STEL N/E	<1.00
< 1%	7664-38-2	Phosphoric Acid	ACGIH TLV TWA: 0.1 mg/m3 ACGIH STEL N/E OSHA PEL TWA: 0.1 mg/m3 OSHA STEL N/E	<1.00

Section 3 -- HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE:

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: 2K Urethane Sealer (Non-Sanding)

PRODUCT CODE: KEY 840

Page 2

EFFECTS OF OVEREXPOSURE:

Irritation of eyes, skin and upper respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

None generally recognized.

CANCER INFORMATION:

FOR COMPLETE DISCUSSION OF TOXICOLOGY DATA REFER TO SECTION 11.

Section 4 -- FIRST AID MEASURES

If INHALED:

If affected, remove from exposure. Restore breathing. Keep warm and quite.

If on SKIN:

Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

If in EYES:

Flush eyes with large amounts of water for 15 minutes. Get medical attention.

If SWALLOWED:

Do not induce vomiting. Get medical attention immediately.

Section 5 -- FIRE FIGHTING MEASURES

FLASH POINT

-20 F

LEL

0.0

UEL

16.0

EXTINGUISHING MEDIA:

Use National Fire Protection Association (NFPA) Class B extinguishers (carbon dioxide, dry chemical, or universal aqueous film forming foam) designed to extinguish NFPA Class IB flammable liquid fires. Water spray may be ineffective. Water spray may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES:

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section 6 -- ACCIDENTAL RELEASE MEASURES

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

Provide maximum ventilation. Only personnel equipped with proper respiratory, skin, and eye protection should be permitted in the area. Remove all sources of ignition. Take up spilled material with sand, vermiculite, or other noncombustible absorbent material and place in clean, empty containers for disposal. Only the spilled material and the absorbent should be placed in this container.

Section 7 -- HANDLING RELEASE MEASURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and other sources of ignition. Consult NFPA Code. Use approved bonding and grounding procedures. Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

Section 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE:

Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using. This coating may contain materials classified as nuisance particulates (listed "as Dust" in section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in section 2, the applicable limits for nuisance dust are ACGIII TLV 10 mg/m3 (total

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: 2K Urethane Sealer (Non-Sanding)

PRODUCT CODE: KEY 840

Page 3

dust), 3 mg/m³ (respirable fraction), OSHA PEL 15 mg/m³ (total dust), 5 mg/m³ (respirable fraction). Removal of old paint by sanding, scraping, or other means may generate dust or fumes that contain lead.

VENTILATION:

Local exhaust preferable. General exhaust acceptable if the exposure to materials in section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION:

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in section 2. When sanding or abrading 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.

PROTECTIVE GLOVES:

None required for normal application of these products where minimal skin contact is expected. For long repeated contact, wear chemical resistant gloves.

EYE PROTECTION:

Wear safety spectacles with unperforated sideshields.

OTHER PRECAUTIONS:

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	11.621 lb/gal	1393 g/l
SPECIFIC GRAVITY	1.390	
BOILING POINT	0 - 365 F	-17 - 185 C
VOLATILES	50.6 % by wt	65.8 % by vol
EVAPORATION RATE	Same as ether	
VAPOR DENSITY	Heavier than air	
REGULATORY VOC	2.25 lb/gal	270 g/l
ACTUAL VOC	1.07 lb/gal	129 g/l

Section 10 -- STABILITY AND REACTIVITY

STABILITY:

This product is normally stable and will not undergo hazardous reactions.

CONDITIONS TO AVOID:

None Known.

INCOMPATIBILITY:

Avoid contact with strong alkalis, strong mineral acids, or strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide, oxides of sulfur, oxides of barium, lower molecular weight polymer fractions.

HAZARDOUS POLYMERIZATION:

None Known.

Section 11 -- TOXICOLOGICAL INFORMATION

CAS No.	Ingredient Name				
108-65-6	Propylene Glycol Monomethyl	LC50	RAT	4HR	N/E
		LD50	RAT		8532 mg/kg
79-20-9	Methyl Acetate	LC50	RAT	4HR	N/E
		LD50	RAT		N/E
67-64-1	Acetone	LC50	RAT	4HR	N/E
		LD50	RAT		5800 mg/kg
8052-41-3	Mineral Spirits	LC50	RAT	4HR	N/E
		LD50	RAT		N/E
64742-89-8	Aliphatic Naphtha	LC50	RAT	4HR	3400 ppm4H
		LD50	RAT		8 ml/kg
108-88-3	Toluene	LC50	RAT	4HR	N/E
		LD50	RAT		N/E
1330-20-7	Xylene	LC50	RAT	4HR	5000 ppm
		LD50	RAT		4300 mg/kg

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: 2K Urethane Sealer (Non-Sanding)

PRODUCT CODE: KEY 840

Page 4

98-56-6	Parachlorobenzotrifluoride	LC50	RAT	4HR	22000 mg/l
		LD50	RAT		13000 mg/kg
107-98-2	1-Methoxy-2-Propanol	LC50	RAT	4HR	15,000 ppm
		LD50	RAT		6600 mg/kg
77-58-7	Dibutyltin Dilaurate	LC50	RAT	4HR	N/E
		LD50	RAT		175 mg/kg
7664-38-2	Phosphoric Acid	LC50	RAT	4HR	>850 mg/kg
		LD50	RAT		1530 mg/kg

Section 12 -- ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

ECOTOXICITY: No Information Available

ENVIRONMENTAL FATE:

MOBILITY: No Information Available

BIODEGRADATION: No Information Available

BIOACCUMULATION: No Information Available

PHYSICAL/CHEMICAL:

HYDROLYSIS: No Information Available

PHOTOLYSIS: No Information Available

Section 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section 14 -- TRANSPORT INFORMATION

Proper Shipping Name: Consumer Commodity

NOS Technical Name: ORM-D

Hazard Class: N/A

UN Number: N/A

Packing Group: N/A

Section 15 -- REGULATORY INFORMATION

SARA 313:

CAS No.	CHEMICAL/COMPOUND	% by WT
8052-41-3	Mineral Spirits	0.2
108-88-3	Toluene	0.2
1330-20-7	Xylene	1.5
107-98-2	1-Methoxy-2-Propanol	0.2

TSCA CERTIFICATION:

U.S. TSCA: This product and/or all of its components are listed on the U.S. TSCA Inventory or is otherwise exempt from TSCA Inventory reporting requirements.

Section 16 -- OTHER INFORMATION

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

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: 2K Urethane Sealer (Non-Sanding)

PRODUCT CODE: KEY 840

Page 5

ENVIRONMENTAL DATA SHEET

All data given below are MAXIMUM THEORETICAL VALUES based on the product AS CURRENTLY FORMULATED. Variations may occur on individual batches due to adjustments made during production.

PRODUCT NUMBER
KEY840

PRODUCT NAME
2K Urethane Sealer (Non Sanding)

PRODUCT WEIGHT
11.621 lb/gal

SPECIFIC GRAVITY
1.390

FLASH POINT
-20 - 110 F

VOLATILE INGREDIENTS NAME	CAS No.	CERC.	SARA 313	HAPS 112 TC	PCT by Wt	PCT by Vol
Mineral Spirits	8052-41-3		X		0.2	0.5
Toluene	108-88-3		X	X	0.2	0.4
Xylene	1330-20-7	X	X	X	1.5	2.5
1-Methoxy-2-Propanol	107-98-2		X		0.2	0.4
Phosphoric Acid	7664-38-2	X			0.0	0.0

VOLATILE ORGANIC COMPOUNDS

A. Coating Density	11.62 lb/gal	1393 g/l
B. Total Volatiles	50.6 % by wt	65.8 % by vol
Exempt Volatiles	41.3 % by wt	52.2 % by vol
Water	0.0 % by wt	0.0 % by vol
C. Organic Volatiles	9.3 % by wt	13.7 % by vol
D. Percent Non-Volatile	49.4 % by wt	34.2 % by vol
E. Regulatory VOC	2.25 lb/gal	270 g/l
Actual VOC	1.07 lb/gal	129 g/l
Solids	5.74 lb/gal	688 g/l

WASTE DISPOSAL

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. The addition of reducers or other additives to this product may substantially alter the above data. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.