

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Key Super Sand Gray

PRODUCT CODE: KEY 821

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Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

HMIS CODES
Health
Flammability
Reactivity
PPE

MANUFACTURER'S NAME:
Keystone Automotive Industries

ADDRESS:
700 East Bonita Ave.
Pomona, CA 91767

EMERGENCY PHONE : (800) 424 - 9300
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DATE PRINTED : 12/9/2009

Section 2 -- COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

% by WT	CAS No.	INGREDIENT	UNITS	VAPOR PRESSURE
1 - 5%	84-74-2	Dibutly Phthalate	ACGIH TLV OSHA PEL OSHA PEL	TWA: 5.000 mg/m3 TWA: 5.000 mg/m3 TWA: 5.000 mg/m3
< 1%	64-17-5	Ethanol	ACGIH TLV OSHA PEL	1000 ppm 1000 ppm
1 - 5%	67-63-0	Isopropyl Alcohol	ACGIH TLV ACGIH TLV OSHA PEL OSHA PEL	400 ppm 500 ppm 400 ppm 500 ppm
< 1%	123-86-4	n-butyl Acetate	ACGIH TLV ACGIH TLV OSHA PEL OSHA PEL	150 ppm 200 ppm 150 ppm 200 ppm
1 - 5%	108-65-6	Propylene Glycol Monomethyl	ACGIH TLV ACGIH TLV OSHA PEL OSHA PEL	N/E N/E N/E N/E
< 1%	141-78-6	Ethyl Acetate	ACGIH TLV ACGIH TLV OSHA PEL OSHA PEL	TWA: 400 ppm TWA: 1400 mg/m3 TWA: 1400 mg/m3 TWA: 400 ppm
20 - 50%	67-64-1	Acetone	ACGIH TLV ACGIH TLV OSHA PEL OSHA PEL	TWA: 500 ppm 750 ppm TWA: 1000 ppm 1000 ppm
5 - 20%	108-10-1	Methyl Isobutyl Ketone	ACGIH TLV ACGIH TLV OSHA PEL OSHA PEL	TWA: 50 ppm 75 ppm TWA: 100 ppm 75 ppm
5 - 20%	108-88-3	Toluene	ACGIH TLV ACGIH TLV OSHA PEL OSHA PEL	TWA: 50 ppm 150 ppm TWA: 300 pm 200 ppm
1 - 5%	1330-20-7	Xylene	ACGIH TLV ACGIH TLV OSHA PEL OSHA PEL	150 ppm 150 ppm 100 ppm 150 ppm
< 1%	100-41-4	Ethylbenzene	ACGIH TLV ACGIH TLV OSHA PEL OSHA PEL	100 ppm 125 ppm 100 ppm 125 ppm
< 1%	7664-38-2	Phosphoric Acid	ACGIH TLV ACGIH TLV	TWA: 1mg/m3 N/E

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OSHA PEL TWA: 1mg/m3
OSHA PEL N/E

Section 3 -- HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

EYE CONTACT:

Causes eye irritation. Redness, itching, burning sensation and visual disturbances may indicate excessive eye contact.

SKIN CONTACT:

May cause slight skin irritation. Dryness, itching, cracking, burning, redness, and swelling are conditions associated with excessive skin contact.

SKIN ABSORPTION:

Skin absorption not expected to occur.

INHALATION:

Vapor and/or spray may be harmful if inhaled.

INGESTION:

Harmful if swallowed.

SIGNS & SYMPTOMS OF OVEREXPOSURE:

Dryness, itching, cracking, burning, redness, and swelling are conditions associated with excessive skin contact.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Not applicable.

CHRONIC OVEREXPOSURE EFFECTS:

Avoid long-term and repeated contact.

Repeated exposure to vapors above recommended exposure limits (see Section 8) may cause irritation of the respiratory system and permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. The effects of long-term, low level exposures to this product have not been determined. Safe handling of this material on a long-term basis should emphasize the prevention of all contact with this material to avoid any effects from repetitive acute exposures. See Section 11, of this MSDS for a detailed list of chronic health effects information available on individual ingredients in this product.

Section 4 -- FIRST AID MEASURES

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Material Safety Data Sheet information available.

EYE CONTACT:

Remove contact lens and pour a gentle stream of warm water through the affected eye for at least 15 minutes. If irritation persists, contact a poison control center, emergency room, or physician as further treatment may be necessary.

SKIN CONTACT:

Run a gentle stream of water over the affected area for 15 minutes. A mild soap may be used if available. If any symptoms persist, contact poison control center, emergency room, or physician as further treatment may be necessary.

INHALATION:

Remove from area to fresh air. If symptomatic, contact a poison control center, emergency room or physician for treatment information.

INGESTION:

Gently wipe or rinse the inside of the mouth with water. Sips of water may be given if person is fully conscious. Never give anything by mouth to an unconscious or convulsing person. Do Not induce vomiting. Contact a poison control center, emergency room or physician right away as further treatment will be necessary.

Section 5 -- FIRE FIGHTING MEASURES

FLASH POINT
-20 F

LEL
1.0

UEL
36.5

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.

PROTECTION OF FIREFIGHTERS:

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Fire-fighters should wear self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Keep this product away from heat, sparks, flame, and other sources of ignition (i.e. pilot lights, electric motors, static electricity). Invisible vapors can travel to a source of ignition and flash back. Do not smoke while using this product. Keep containers tightly closed when not in use. Closed containers may explode when overheated. Do not apply to hot surfaces. Toxic gases may form when this product comes in contact with extreme heat. May produce hazardous decomposition products when exposed to extreme heat. Extreme heat includes, but not limited to, flame cutting, brazing, and welding.

Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF 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 DURING HANDLING AND STORAGE:

Vapors may collect in low areas. If this material is part of a multiple component system, read the Material Safety Data Sheet(s) for the other component or components before blending as the resulting material may have the hazards of all of its parts. Containers should be grounded when pouring. Avoid free fall of liquids in excess of a few inches.

STORAGE:

Do not store above 120F (48 degrees C). Store large quantities in buildings designed and protected for storage of NFPA Class IB flammable liquids.

Section 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Provide general dilution or local exhaust ventilation in volume and pattern to keep the concentration of ingredients listed in Section 8 below the lowest suggested exposure limits, the LEL below the stated limit, and to remove decomposition products during welding or flame cutting.

PERSONAL PROTECTIVE EQUIPMENT EYES:

Wear chemical-type splash goggles when possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapors.

SKIN/GLOVES:

Wear protective clothing to prevent skin contact. Apron and gloves should be constructed of: neoprene rubber or butyl rubber. No specific permeation/degradation testing have been done on protective clothing for this product. Recommendations for skin protection are based on infrequent contact with this product. For frequent contact or total immersion, contact a manufacturer of protective clothing for appropriate chemical impervious equipment. Clean contaminated clothing and shoes.

RESPIRATOR:

Overexposure to vapors may be prevented by ensuring proper ventilation controls, vapor exhaust or fresh air entry. A NIOSH-approved air purifying respirator with the appropriate chemical cartridges or a positive pressure, air-supplied respirator may also reduce exposure. Read the respirator manufacturer's instructions and literature carefully to determine the type of airborne contaminants against which the respirator is effective, its limitations, and how it is to be properly fitted and used. Provide general dilution or local exhaust ventilation in volume and pattern to keep the concentration of ingredients listed in Section 2 below the lowest suggested exposure limits, the LEL below the stated limit, and to remove decomposition products during welding or flame cutting.

GENERAL HYGIENE-ESTABLISHED EXPOSURE LIMITS:

If Threshold Limit Values (TLVs) have been established by ACGIH and OSHA they will be listed below. These limits are intended for use in the practice of industrial hygiene as guidelines of recommendations in the control of potential workplace health hazards. These limits are not a relative index of toxicity and should not be used by anyone without industrial hygiene training.

Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	9.128 lb/gal	1094 g/l
SPECIFIC GRAVITY	1.090	
BOILING POINT	0 - 742 F	-17 - 394 C
VOLATILES	55.8 % by wt	71.8 % by vol
EVAPORATION RATE	Same as ether	

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VAPOR DENSITY	Heavier than air	
COATING VOC	4.38 lb/gal	525 g/l
MATERIAL VOC	2.97 lb/gal	356 g/l

Section 10 -- STABILITY AND REACTIVITY

STABILITY:

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

CONDITIONS TO AVOID:

None Known.

INCOMPATIBLE MATERIALS:

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

HAZARDOUS POLYMERIZATION:

None Known.

HAZARDOUS DECOMPOSITION PRODUCTS:

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

CHRONIC TOXICITY:

Target Organs:

Spleen-None Known-Mutagen-Carcinogen-Kidney-Liver-
Embryotoxin-Teratogen-Brain-Central nervous system-Lung

MUTAGENICITY:

This has not been tested for this product.

REPRODUCTIVE:

This has not been tested for this product.

Section 11 -- TOXICOLOGICAL INFORMATION

CAS No.	Ingredient Name				
84-74-2	Dibutly Phthalate	LC50	RAT	4HR	N/E
		LD50	RAT		N/E
64-17-5	Ethanol	LC50	RAT	4HR	N/E
		LD50	RAT		N/E
67-63-0	Isopropyl Alcohol	LC50	RAT	4HR	N/E
		LD50	RAT		5045 mg/kg
123-86-4	n-butyl Acetate	LC50	RAT	4HR	>13.2 m/l
		LD50	RAT		13400 mg/kg
108-65-6	Propylene Glycol Monomethyl	LC50	RAT	4HR	N/E
		LD50	RAT		8532 mg/kg
141-78-6	Ethyl Acetate	LC50	RAT	4HR	N/E
		LD50	RAT		N/E
67-64-1	Acetone	LC50	RAT	4HR	N/E
		LD50	RAT		5800 mg/kg
108-10-1	Methyl Isobutyl Ketone	LC50	RAT	4HR	3,000 ppm
		LD50	RAT		2.1-4.6 g/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
100-41-4	Ethylbenzene	LC50	RAT	4HR	N/E
		LD50	RAT		3500 mg/kg
7664-38-2	Phosphoric Acid	LC50	RAT	4HR	>850 mg/kg
		LD50	RAT		1530 mg/kg

Section 12 -- ECOLOGICAL INFORMATION

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POTENTIAL ENVIRONMENTAL EFFECTS:

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.

Provide maximum ventilation, only personnel equipped with proper respiratory and skin and eye protection should be permitted in the area. Take up spilled material with sawdust, vermiculite, or other absorbent material and place in containers for disposal. Waste material must be disposed of in accordance with federal, state, provincial and local environmental control regulations. Empty containers should be recycled by an appropriately licensed reconditioner/salvager or disposed of through a permitted waste management facility. Additional disposal information is contained on the Environmental Data Sheet for this product.

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

Otherwise:

Proper Shipping Name: Paint Related Material

NOS Technical Name: N/A

Hazard Class: 3

UN Number: UN1263

Packing Group: II

Section 15 -- REGULATORY INFORMATION

SARA 313:

CAS No.	CHEMICAL/COMPOUND	% by WT
84-74-2	Dibutly Phthalate	2.0
108-88-3	Toluene	15.0
1330-20-7	Xylene	2.3
100-41-4	Ethylbenzene	0.6

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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.

