

**MATERIAL SAFETY DATA SHEET**

REVISION DATE: 01-02-2008

SUPERSEDES: 02-26-2003

**SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****COMPANY INFORMATION**

SamHwa Chemicals Co., Ltd.

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**PRODUCT INFORMATION**

PRODUCT NUMBER: FD6025  
PRODUCT NAME: FOSTER 60-25  
PRODUCT DESCRIPTION: Mastic

**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS #	PERCENT	OSHA PEL
Asphalt (petroleum)	8052-42-4	30 - 50	Not established
Talc	14807-96-6	10 - 30	TWA (Respirable dust) 2 MG/M3
Aliphatic petroleum distillates	64742-88-7	10 - 30	Not established
Cellulose	9004-34-6	1 - 5	TWA (Respirable dust) 5 MG/M3 TWA (Total dust) 15 MG/M3
Aliphatic amine	28701-67-9	1 - 5	Not established
Crystalline silica	14808-60-7	1 - 5	TWA (Respirable dust) 0.1 MG/M3
Boric acid	10043-35-3	0.1 - 1	Not established

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### SECTION 3: HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Moderate eye irritant.  
Causes skin irritation. May cause allergic skin reaction.  
Harmful if swallowed.  
Cancer hazard.

#### HMIS RATING: HEALTH -- 2 FLAMMABILITY -- 2 REACTIVITY -- 0

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

#### POTENTIAL HEALTH EFFECTS BY ROUTE OF ENTRY

EYE: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue. May result in cornea opacity (clouding of the eye surface).

SKIN: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage. Can cause light sensitivity that results in a skin rash when exposed to sunlight or ultraviolet light sources. May cause sensitization.

INHALATION: Can cause minor respiratory irritation. Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract. Overexposure to crystalline silica may cause silicosis. This product contains one or more materials that may be hazardous when present as an airborne dust. During normal handling of the product, the material is encapsulated within the product and will not present an exposure risk. Once the product has reached its final state and is abraded or disturbed, dusting and exposure may occur.

INGESTION: Ingestion is not an anticipated route of exposure. Harmful if swallowed. No hazard in normal industrial use.

#### LONG-TERM (CHRONIC) HEALTH EFFECTS

REPRODUCTIVE: Contains a substance that is a possible reproductive hazard based on animal studies at doses that could be encountered in the workplace.

TARGET Skin Lungs Reproductive system

ORGAN(S):

#### REGULATED CARCINOGEN STATUS:

Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH, or OSHA listed carcinogens.

Asphalt (petroleum)

Crystalline silica

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**EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE:** Skin disease including eczema and sensitization; Lung disease

**SECTION 4: FIRST AID MEASURES**

**IF IN EYES:** Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

**IF ON SKIN:** Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

**IF VAPORS INHALED:** Remove to fresh air. Call a physician if symptoms persist.

**IF SWALLOWED:** Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS

**SECTION 5: FIRE FIGHTING MEASURES**

**AUTOIGNITION TEMPERATURE:** Not established

**LOWER EXPLOSIVE LIMIT (% in air):** Not established

**UPPER EXPLOSIVE LIMIT (% in air):** Not established

**EXTINGUISHING MEDIA:** Use water spray, foam, dry chemical or carbon dioxide.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Vapors are heavier than air and can travel to a source of ignition and flash back.

**SPECIAL FIRE FIGHTING INSTRUCTIONS:** Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon dioxide, Carbon monoxide Sulfur containing gases Nitrogen containing gases

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**SPECIAL PROTECTION:** Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the

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quantity of the spill, the area in which the spill occurred. Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.

**CLEAN-UP:** Scrape up and place in disposal container.  
Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

### SECTION 7: HANDLING AND STORAGE

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**Handling:** Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area.

Keep away from heat, sparks and flame.

Wash thoroughly after handling.

Keep container closed.

Emptied container retains vapor and product residue.

Observe all labeled precautions until container is cleaned.

Drums of this material should be grounded when pouring.

**DO NOT CUT OR WELD ON OR NEAR THIS CONTAINER.**

**Storage:** Store in a cool, dry, ventilated location. Keep away from heat and flame.

Keep container closed.

Consult the Technical Data Sheet for specific storage instructions.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**EYE PROTECTION:** Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.

**SKIN PROTECTION:** Avoid skin contact by wearing chemically resistant gloves and long sleeved shirt. An apron may be appropriate if splashing can occur.

**GLOVES:** Nitrile

**RESPIRATORY PROTECTION:** Respiratory protection may be required to avoid overexposure when handling this product. Use a respirator if general room ventilation is not

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available or sufficient to eliminate symptoms.  
Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).

VENTILATION: Use local exhaust ventilation or other engineering controls to minimize exposures.

**EXPOSURE LIMITS:**

Chemical Name	ACGIH EXPOSURE LIMITS	AIHA WEEL
Asphalt (petroleum)	TWA 0.5 MG/M3	Not established
Talc	TWA (Respirable dust) 2 MG/M3	Not established
Aliphatic petroleum distillates	Not established	Not established
Cellulose	TWA (Total dust) 10 MG/M3	Not established
Aliphatic amine	Not established	Not established
Crystalline silica	TWA (Respirable dust) 0.05 MG/M3	Not established
Boric acid	Not established	Not established

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: Solid

COLOR: Black

ODOR: Solvent Mild

ODOR THRESHOLD: Not established

WEIGHT PER GALLON (lbs.): 9.8

SPECIFIC GRAVITY: 1.18

SOLIDS (% by weight): 79.0

pH: Not established

BOILING POINT (deg. C): Not established

FREEZING/MELTING POINT (deg. C): Not established

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VAPOR PRESSURE (mm Hg): Not established  
 VAPOR DENSITY: Not established  
 EVAPORATION RATE: Not established  
 OCTANOL/WATER COEFFICIENT: Not established

**SECTION 10: STABILITY AND REACTIVITY**

STABILITY: Stable under normal conditions.  
 CHEMICAL INCOMPATIBILITY: Not established  
 HAZARDOUS POLYMERIZATION: Will not occur.  
 HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide Sulfur  
 containing gases Nitrogen containing  
 gases

**SECTION 11: TOXICOLOGICAL INFORMATION**

CHEMICAL NAME	LD50/LC50
Asphalt (petroleum)	Not established
Talc	Not established
Aliphatic petroleum distillates	Not established
Cellulose	Oral LD50 Rat > 5 g/kg Inhalation LC50 Rat > 5800 mg/cu m/4H Dermal LD50 Rabbit > 2 g/kg
Aliphatic amine	Not established
Crystalline silica	Not established
Boric acid	Oral LD50 Rat = 2660 mg/kg

TOXICOLOGY SUMMARY: No additional health information available.

**SECTION 12: ECOLOGICAL INFORMATION**

OVERVIEW: No ecological information available

244 g VOC/liter of material, less water and exempt solvents  
 (VOC theoretically determined using EPA Reference method 24)

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**SECTION 13: DISPOSAL CONSIDERATIONS**

Disposal via incineration is recommended. Consult your state, local, or provincial authorities for more restrictive requirements.

**SECTION 14: TRANSPORTATION INFORMATION**

Consult Bill of Lading for transportation information.

DOT: NOT REGULATED

IATA: NOT REGULATED

**SECTION 15: REGULATORY INFORMATION**

## FEDERAL REPORTING

EPA SARA Title III Section 313

Unless listed below, this product does not contain toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372. EPA has advised that when a percentage range is listed the midpoint may be used to fulfill reporting obligations.

Chemical Name	CAS#	%
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**SECTION 16: ADDITIONAL INFORMATION**

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to SamHwa Chemicals Co., Ltd. from its suppliers, and because SamHwa Chemicals Co., Ltd. has no control over the conditions of handling and use, SamHwa Chemicals Co., Ltd. makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and SamHwa Chemicals Co., Ltd. assumes no responsibility for use or reliance thereon. It is the responsibility of the user of SamHwa Chemicals Co., Ltd. products to comply with all applicable federal, state and local laws and regulations.