

**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.

**Factory**

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**PRODUCT INFORMATION**

PRODUCT NUMBER: FD3015  
PRODUCT NAME: FOSTER 30-15  
PRODUCT DESCRIPTION: Coating

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

Chemical Name	CAS #	PERCENT	OSHA PEL
Hexane, n	110-54-3	10 - 30	TWA 50 ppm
Kaolin clay	1332-58-7	10 - 30	TWA (Respirable dust) 5 MG/M3 TWA (Total dust) 10 MG/M3
Aliphatic petroleum distillate	64742-89-8	5 - 10	Not established
Methylcyclopentane	96-37-7	5 - 10	Not established
Toluene	108-88-3	1 - 5	TWA 100 ppm STEL 150 ppm
Aliphatic petroleum distillate	64742-01-4	1 - 5	TWA * Mist 5 MG/M3
Titanium dioxide (Rutile)	1317-80-2	1 - 5	TWA (Total dust) 10 MG/M3
Calcium carbonate	1317-65-3	1 - 5	TWA (Respirable dust) 5 MG/M3 TWA (Total dust) 15 MG/M3
Xylene	1330-20-7	0.1 - 1	TWA 100 ppm STEL 150 ppm

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Crystalline silica	14808-60-7	0.1 - 1	TWA (Respirable dust) 0.1 MG/M3
Ethylbenzene	100-41-4	0.1 - 1	TWA 100 ppm STEL 125 ppm

**SECTION 3: HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

Moderate eye irritant.

Can cause skin irritation.

Moderate respiratory tract irritant.

Harmful if swallowed.

**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.

**SKIN:** Can cause skin irritation.

Component(s) may be absorbed through intact skin, but it is unlikely that harmful effects will occur unless contact is prolonged, repeated, and extensive.

**INHALATION:** Can cause moderate respiratory irritation. Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.

Other possible symptoms include coughing or wheezing.

Inhalation of high concentrations may result in central nervous system (CNS) effects such as dizziness, weakness, fatigue, nausea, headache, and lack of coordination. 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. Irritating to mouth, throat, and stomach.

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

**REPRODUCTIVE:** Contains a substance that is a probable reproductive hazard based on human studies.

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TARGET ORGAN(S): Kidneys Central nervous system Lungs Blood Liver

**REGULATED CARCINOGEN STATUS:**

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

Antimony trioxide

Ethylbenzene

**EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE:** Kidney disease; Lung disease; Blood disorders (like anemia); Liver 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. Get medical attention if irritation develops or persists.

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

**IF SWALLOWED:** Do not induce vomiting. Seek medical attention immediately. Drink two glasses of water or milk to dilute. Do not give anything by mouth to an unconscious person. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

**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** Vapors are heavier than air and can travel to a

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HAZARDS: source of ignition and flash back.  
SPECIAL FIRE FIGHTING: Persons exposed to products of combustion  
INSTRUCTIONS: should wear self-contained breathing apparatus  
and full protective equipment.

HAZARDOUS COMBUSTION: Carbon dioxide, Carbon monoxide Sulfur  
PRODUCTS: containing gases Chlorine 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 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:** Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds, or water systems.  
Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

**SECTION 7: HANDLING AND STORAGE**

**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.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**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.

**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 available or sufficient to eliminate symptoms. NIOSH approved air purifying respirator with organic vapor cartridge. 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
Stoddard solvent	TWA 100 ppm	Not established
Aluminum hydroxide	TWA (as Al) Soluble 2 MG/M3	Not established
Gypsum	TWA (Total dust) 10 MG/M3	Not established
Talc	TWA (Respirable dust) 2 MG/M3	Not established
Titanium dioxide	TWA (Total dust) 10 MG/M3	Not established
Trimethylbenzene, 1,2,4-	Not established	Not established
Calcium carbonate	TWA (Total dust) 10 MG/M3	Not established
Xylene	TWA 100 ppm STEL 150 ppm	Not established
Antimony trioxide	TWA (as Sb) 0.5 MG/M3	Not established
Ethylbenzene	TWA 100 ppm STEL 125 ppm	Not established

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: Liquid

COLOR: White

ODOR: Solvent Mild

ODOR THRESHOLD: Not established

WEIGHT PER GALLON (lbs.): 9.7

SPECIFIC GRAVITY: 1.2

SOLIDS (% by weight): 57.5

pH: Not established

BOILING POINT (deg. C): Not established

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

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: Strong oxidizing agents

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide Sulfur containing gases Chlorine containing gases

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**SECTION 11: TOXICOLOGICAL INFORMATION**

CHEMICAL NAME	LD50/LC50
Stoddard solvent	Not established
Aluminum hydroxide	Not established
Gypsum	Not established
Talc	Not established
Titanium dioxide	Not established
Trimethylbenzene, 1,2,4-	Oral LD50 Rat = 5 g/kg Inhalation LC50 Rat = 18000 mg/cu m/4H
Calcium carbonate	Oral LD50 Rat = 6250 mg/kg
Xylene	Oral LD50 Rat = 4300 mg/kg Inhalation LC50 Rat = 5000 ppm/4H Dermal LD50 Rat = 1700 mg/kg
Antimony trioxide	Oral LD50 Rat >34600 mg/kg
Ethylbenzene	Oral LD50 Rat = 3500 mg/kg Dermal LD50 Rabbit = 17.8 ml/kg

TOXICOLOGY SUMMARY: No additional health information available.

**SECTION 12: ECOLOGICAL INFORMATION**

OVERVIEW: No ecological information available

470 g VOC/liter of material, less water and exempt solvents  
(VOC theoretically determined using EPA Publication 450/3-84-019.)

**SECTION 13: DISPOSAL CONSIDERATIONS**

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

LAND DISPOSAL RESTRICTIONS: Xylenes (o-, m-, p- isomers) Ethyl benzene

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**SECTION 14: TRANSPORTATION INFORMATION**

Consult Bill of Lading for transportation information.

**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 72. EPA has advised that when a percentage range is listed the midpoint may be used to fulfill reporting obligations.

Chemical Name	CAS#	%
1,2,4-Trimethylbenzene	95-63-6	1 - 5
Xylene (mixed isomers)	1330-20-7	1 - 5
Antimony compounds	1309-64-4	0.1 - 1
ethylbenzene	100-41-4	0.1 - 1

**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.