Safety Data Sheet

SECTION 1 PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: KM Primer SP 1000

Recommended Use: Roof Coating

Restriction on Use: None

Manufacturer:
KM Coatings Mfg.
1719 W. Buchanan Street
Phoenix, AZ 85007
(602)-253-1168

SDS Date of Preparation: 03/14/16

Emergency Contact: (800) 424-9300 CHEMTREC (USA)

SECTION 2: HAZARDS IDENTIFICATION

Physical	Health
Flammable Liquid Category 3	Skin Sensitization Category 1B Specific Target Organ Toxicity – Repeated Exposure Category 1 (CNS, Liver, Kidney)

Label Elements:

Danger!

Flammable Liquid and vapor.
May cause an allergic skin reaction.
May cause damage to central nervous system, kidneys or liver through prolonged or repeated exposure.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Ground and bond container and receiving equipment
Use explosion-proof electrical, ventilating and lighting equipment.
Use non-sparking tools.
Take action to prevent static discharge.
Do not breathe mist, vapors or spray.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
If skin irritation or rash occurs: Get medical attention.
Take off contaminated clothing and wash it before reuse.
Get medical attention if you feel unwell.
In case of fire: Use water spray, carbon dioxide, alcohol foam or dry chemical to extinguish.
Store in a well-ventilated place. Keep cool.
Dispose of contents and container in accordance with local and national regulations.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS#.	WT.%
Parachlorobenzotrifluoride	98-56-6	80-90%
Xylene	1330-20-7	1-5%

The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 FIRST AID MEASURERS

Eyes: Flush with large quantities of water, holding the eyelids apart. Get medical attention if irritation develops.

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation or rash develops, get medical attention. Launder clothing before re-use.

Inhalation: Remove to fresh air. If irritation develops or breathing is difficult, get medical attention. .

Ingestion: If conscious, rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention.

Most important symptoms/effects, acute and delayed: May cause eye irritation. Prolonged skin contact may cause skin irritation. Inhalation of vapors or mists may cause upper respiratory tract irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting or diarrhea.

Indication of immediate medical attention and special treatment, if necessary: Immediate medical attention is not normally required

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Use water spray, carbon dioxide, dry chemical or foam to extinguish fire. Do not use a water jet. Cool fire exposed containers with water.
Special Protective Equipment and Precautions for Fire-fighters: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus.
Specific Hazards Arising from the Chemical: This product is flammable and may form explosive mixtures with air. Vapors are heavier than air and will travel along surfaces to remote ignition sources and flash back. Closed containers may explode if exposed to extreme heat. Combustion may produce carbon oxides, hydrogen fluoride and hydrogen chloride gas.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Wear appropriate protective clothing to avoid eye and skin contact.

Environmental precautions: Avoid release to the environment. Report releases as required by local, state and federal authorities.

Methods and Materials for Containment and Cleaning Up: Dike the spilled material. Attempt to reclaim the free product, if this is possible. Collect with an inert material and place into a closable container for disposal. Use non-sparking tools and equipment. Do not flush to sewer!

SECTION 7 HANDLING and STORAGE

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapors and mists. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep product away from heat, sparks, flames and all other sources of ignition. Do not permit smoking in use or storage areas. Use with non-sparking tools and explosion proof equipment. Electrically bond and ground containers for transfer.

Empty containers retain product residues can be hazardous. Follow all SDS precautions when handling empty containers.

Conditions for Safe Storage, Including any Incompatibilities: Store in a dry, well-ventilated area away from heat, direct sunlight and all sources of ignition. Store in a tightly closed container. Keep in original container. Protect from physical damage.

SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION

Exposure Guidelines:

INGREDIENTS	EXPOSURE LIMITS
Parachlorobenzotrifluoride (as fluorides)	2.5 mg/m^3 TWA OSHA PEL 2.5 mg/m^3 TWA ACGIH TLV
Xylene	100 ppm TWA OSHA PEL 100 ppm TWA, 150 ppm STEL ACGIH TLV

Appropriate Engineering Controls: Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits. Use explosion proof equipment where required.
Respiratory Protection: If the exposure limits are exceeded, a NIOSH approved respirator with an organic vapor cartridge and a dust/mist prefilter or supplied air respirator is recommended. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice**.**
Gloves: Impervious gloves are recommended to prevent skin contact.
Eye Protection: Chemical safety goggles recommended to avoid eye contact.
Other Protective Equipment: Impervious clothing as needed to prevent contact.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

Appearance And Odor: Orange liquid with a fish-like odor.

Boiling Point (@ 760 mmHg): 276.8-280.4°F / 136-138°C (parachlorobenzotrifluoride)	**Freezing Point:** -32.8°F (-36°C) (parachlorobenzotrifluoride)
Odor Threshold: Not available	**Viscosity:** Not available
Relative density (H2O=1): 1.31	**Vapor Pressure:** Not available
VOC: 42 g/L	**Vapor Density (AIR=1):** 6.23 (parachlorobenzotrifluoride)
Evaporation Rate: Not available	**Solubility In Water:** Slightly soluble
pH: Not available	**Partition Coefficient n-Octanol/Water:** Not determined
Flash Point: 116.6°F / 47 (parachlorobenzotrifluoride)	**Autoignition Temperature:** >1202°F (>650°C) (parachlorobenzotrifluoride)
Decomposition Temperature: Not available	**Flammability (solid, gas):** Not applicable
Flammable Limits: (vol % in air) **LEL –** 1.0 (xylene)	**UEL –** 7.0 (xylene)

SECTION 10 STABILITY and REACTIVITY

Reactivity: Not normally reactive.
Chemical Stability: Stable under normal storage and handling conditions
Possibility of Hazardous Reactions: None known
Conditions to avoid: Avoid heat, sparks, open flames and other sources of ignition.
Incompatible materials: Avoid strong oxidizing agents and acids.
Hazardous decomposition products: Thermal decomposition may produce carbon oxides, hydrogen fluoride and hydrogen chloride gas. .

SECTION 11 TOXICOLOGICAL INFORMATION

Eye: Contact may cause irritation with redness and tearing.
Skin: Prolonged skin contact may cause irritation and drying of the skin.
Inhalation: Inhalation of vapors or mists may cause upper respiratory tract irritation.
Ingestion: Ingestion may cause gastrointestinal irritation, nausea and diarrhea.
Sensitization: None of the components have been shown to cause sensitization in animals or humans.
Chronic Effects: Over exposure to xylenes may cause liver damage. In repeated dose studies, the principle effects of xylenes were adaptive changes in the liver, body weight changes, organ weight changes and altered motor coordination.
Carcinogenicity: None of the other components are listed as a carcinogen by NTP, IARC, ACGIH or OSHA.
Mutagenicity: None of the other components have been shown to cause germ cell mutagenicity.
Reproductive Toxicity: None of the components have been shown to cause reproductive or developmental toxicity.

Numerical Measures of Toxicity:
Parachlorobenzotrifluoride: Oral rat LD50 7270 mg/kg, Inhalation rat LC50 >32.03 mg/L/4 hr, Dermal rabbit LD50 >3300 mg/kg
Xylene: Oral rat LD50 5251 mg/kg, Inhalation rat LC50 29 mg/L/4 hr, Dermal rabbit LD50 >4200 mg/kg.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:
Parachlorobenzotrifluoride: 96 hr LC50 Danio rerio 3 mg/L, 48 hr IC50 daphnia magna 2 mg/L, 72 hr EC50 Pseudokirchnerella subcapitata 0.41 mg/L
Xylene: 96 hr LC50 Oncorhynchus mykiss 2.6 mg/L, 24 hr IC50 daphnia magna 3.6 mg/L, 72 hr EC50 Pseudokirchnerella subcapitata 4.36 mg/L
Persistence and degradability: Xylene is readily biodegradable. Parachlorobenzotrifluoride is not readily biodegradable
Bioaccumulative potential: Xylene has a calculated BCF of <25 which suggests the potential for bioaccumulation is low. Parachlorobenzotrifluoride has a calculated BCF of 110 which suggest the potential for biocaccumulation is high.
Mobility in soil: Xylene has a moderate to high mobility on soil.
Other adverse effects: This product is expected to be toxic to aquatic life with long lasting effect**s.**

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose in accordance with all local, state and federal regulations.

SECTION 14: TRANSPORT INFORMATION

Proper Shipping Name: Chlorobezotrifluorides Solution
UN Number: UN2234
Hazard Class/Packing Group: 3, PGIII
Labels Required: Flammable Liquid

Environmental hazards: Marine Pollutant for International Transport

Note: This product can be re-classed to a combustible liquid and shipped as unregulated via road and rail in non-bulk packaging per the combustible liquid exception (49CFR 173.150(f)).

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.
Special precautions: None known

SECTION 15: REGULATORY INFORMATION

SARA Hazard Category (311/312): Acute Health, Chronic Health, Fire Hazard

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313:

Xylene	1330-20-7	1-5%

CERCLA Hazardous Substances (Section 103)/RQ: This product has a Reportable Quantity (RQ) of 2000 lbs. (based on the RQ for Xylene of 100 lbs). Releases above the RQ must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

Toxic Substances Control Act: All of the components of this product are listed on the TSCA inventory.

California Proposition 65: This product contains the following chemical known to the State of California to cause cancer or reproductive toxicity: None

SECTION 16: OTHER INFORMATION

NFPA Rating:	Health = 2	Fire = 3	Instability = 0
HMIS Rating:	Health = 2	Fire = 3	Physical Hazard = 0

SDS Date of Preparation: 03/14/16

Revision Summary: New SDS.

NOTICE

The information contained herein is based upon the data available to us and is believed to be accurate. However, KM Coatings Mfg. makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. KM Coatings Mfg. assumes no responsibility for injury from the use of the products described herein.

This SDS conforms with the OSHA Hazard Communication Standard 1900.1210 and to SARA Title III, Section 313 for supplier notification.