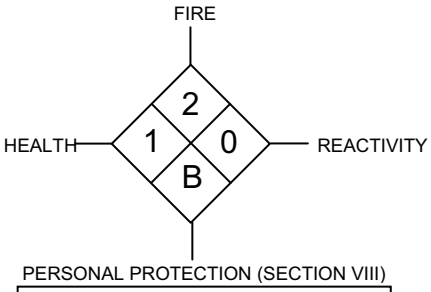
MATERIAL SAFETY DATA SHEET

PRODUCT NAME: PIGMENTED PASTE FOR TOPSHIELD®



HMIS HAZARD RATING
LEAST ---------- 0 SLIGHT ---- 1
MODERATE --- 2 HIGH ------- 3
EXTREME ---- 4

SECTION I - COMPANY IDENTIFICATION

POLYTUFF SYSTEMS INTERNATIONAL

2250 E. Tropicana Ave
Suite 19-600
Las Vegas, NV 89119

Phone: (866) 977-8833
Fax: (800) 804-0182
Email: sales@polytuffus.com
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EMERGENCY CONTACT: (CHEMTREC): 1-800-424-9300
Outside USA and Canada, call CHEMTREC collect: 1-703-527-3887

DATE REVISED: May 8, 2008

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS OSHA PEL	ACGIH TLV	MFG TLV	VAPOR PRESSURE mm	Hg @ TEMP
P-chloro-a,a,a-trifluorotoluene	98-56-6	N/E	N/E	N/E	5.3mm	20°C

* Indicates toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372.
Information concerning non-hazardous ingredients is considered a Trade Secret

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: >100°C (212°F)

SPECIFIC GRAVITY: (H_2O=1): 1 – 1.8

COATING V.O.C.: N/A

VAPOR DENSITY: Heavier than air

EVAPORATION RATE: Slower than n-butyl acetate

SOLUBILITY IN WATER: Dispersible

APPEARANCE AND ODOR: Black, Grey or Tan liquid with mild chemical odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 42°C (108°F)

METHOD USED: N/A

FLAMMABLE LIMITS IN AIR BY VOLUME: Lower: N/A Upper: N/A

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide and water.

SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved self contained breathing apparatus in positive pressure mode with full-face piece. Boots, gloves (neoprene), goggles, and full protective clothing are also required.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

SECTION V - REACTIVITY DATA

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Keep away from open flame.

INCOMPATIBILITY (MATERIALS TO AVOID): None known.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Under severe thermal degradation, low-molecular-weight organic compounds will be formed.

HAZARDOUS POLYMERIZATION: Will not occur.

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SECTION VI - HEALTH HAZARD DATA

SKIN CONTACT: Frequent and prolonged contact can cause irritation and/or dermatitis.

EYE CONTACT: Can irritate eyes.

SKIN ABSORPTION: Systemically toxic concentrations of this product will probably not be absorbed through human skin.
INGESTION: Irritation or chemical burns of the mouth, pharynx, esophagus and stomach can develop following ingestion.

INHALATION: Vapors can irritate eyes, nose and respiratory passages. Overexposure may induce headaches, dizziness, drowsiness or unconsciousness. Chronic exposures may result in permanent decreases in lung function.

HEALTH HAZARDS: ACUTE: None known. **CHRONIC:** Repeated exposure above current occupational limits may cause an allergic sensitization of the respiratory tract. This is characterized by an asthma-like response upon re-exposure to the chemical. The symptoms may include coughing, wheezing, shortness of breath and chest tightness.

CARCINOGENICITY: NTP: No IARC Monographs: Yes OSHA Regulated: No
IARC classifies carbon black as a category 2B carcinogen (known animal carcinogen, possible human carcinogen) based on inhalation studies. Because this product is a free-flowing liquid or paste, dust inhalation is not an expected route of exposure. Sanding cured product can result in exposure to carbon black dusting.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Cardiovascular disease, asthma or asthmatic bronchitis, allergic disease, chronic respiratory disease, sinusitis, headache and dizziness.

EMERGENCY AND FIRST AID PROCEDURES: EYE CONTACT: Immediately flush eyes with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and treated by medical personnel. **INHALATION:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is labored, give oxygen. Consult medical personnel. **SKIN CONTACT:** Wash material off the skin with plenty of soap and water. If redness, itching, or a burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse. **INGESTION:** Do not induce vomiting. Give 1 or 2 glasses of water to drink and refer person to medical personnel. Never give anything by mouth to an unconscious person.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear skin, eye, and respiratory protection during cleanup. Soak up material with absorbent and shovel into a chemical waste container. Cover container, but do not seal, and remove from work area. Residues from spill cleanup may continue to be regulated under provisions of RCRA and require storage and disposal as hazardous waste. For major spills, call CHEMTREC (Chemical Transportation Emergency Center) at 800-424-9300.

WASTE DISPOSAL METHOD: Residues may still be subject to RCRA storage and disposal requirements. Dispose off in compliance with all relevant local, state, and federal laws and regulations regarding treatment.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in tightly sealed containers to protect from atmospheric moisture. Store in a cool dry area.

OTHER PRECAUTIONS: Prevent skin and eye contact, observe TLV limitations. Avoid breathing vapors. Workers should shower and change to fresh clothing after each shift.

SECTION VIII - CONTROL MEASURES

VENTILATION: General ventilation is recommended during normal use. Local ventilation may be required during certain operations to prevent inhalation of vapors.

RESPIRATORY PROTECTION: Not generally required during normal use and handling. The need for respiratory protection should be evaluated if this material is sprayed or heated in poorly ventilated areas.

PROTECTIVE CLOTHING: Gloves determined to be impervious under the conditions of use should be worn always when working with this product. Depending on conditions of use, additional protection may be required such as apron, arm covers, or full body suit. Wash contaminated clothing before re-wearing. Protective clothing should be selected and used in accordance with "Guidelines for the Selection of Chemical Protective Clothing" published by ACGIH.

EYE PROTECTION: Chemical tight goggles and full-face shield.

OTHER PROTECTIVE EQUIPMENT AND MEASURES: Wear protective clothing to prevent skin contact. Unhindered access to safety shower and eye wash stations. As a general hygienic practice, wash hands and face after use. Showers and cleaning of clothes are recommended.

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SECTION IX - REGULATORY INFORMATION

DOT PROPER SHIPPING NAME: Not regulated.

IATA PROPER SHIPPING NAME: UN 1263, Paint, Class 3, PG III, Flammable Liquid.

IMO PROPER SHIPPING NAME: UN 1263, Paint, Class 3, PG III, Flammable Liquid.

STATE REGULATIONS: CALIFORNIA As per requirements of the Safe Drinking Water & Toxic Enforcement Act of CA, USA 1985 (Proposition 65), the public is warned that materials used in this product may create an exposure to chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. This warning required by Section 25249.6 of the California Health and Safety Code.

TOXIC SUBSTANCE CONTROL ACT: All chemicals comprising this product are listed on the TSCA inventory.

USER'S RESPONSIBILITY: A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions, in addition to those described herein, are required. Any health hazard and safety information herein should be passed on to your customers or employees, as the case may be.

DISCLAIMER: The information contained herein is, to the best of our knowledge and belief, accurate and current as of the date of this MSDS. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

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