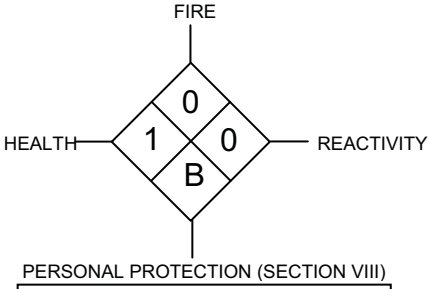
MATERIAL SAFETY DATA SHEET

PRODUCT NAME: PTS-E-101



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

SECTION I - COMPANY IDENTIFICATION

POLYTUFF SYSTEMS INTERNATIONAL

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Suite 19-600
Las Vegas, NV 89119

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Fax: (800) 804-0182
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EMERGENCY CONTACT: (CHEMTREC): 1-800-424-9300
Outside USA and Canada, call CHEMTREC collect: 1-703-527-3887

DATE REVISED: July 12, 2007

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
AMINO SILANE	1760-24-3					

* 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: Not established.

MATERIAL V.O.C: Not applicable.

EVAPORATION RATE: Not applicable.

APPEARANCE AND ODOR: Thick paste various colors, mild ester odor

SPECIFIC GRAVITY: (H_2O=1): 1.60

VAPOR DENSITY: Heavier than air

SOLUBILITY IN WATER: Reacts with water

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Not applicable.

METHOD USED: Not applicable.

FLAMMABLE LIMITS IN AIR BY VOLUME: Lower: Not applicable. Upper: Not applicable.

AUTOIGNITION TEMPERATURE: Not applicable.

SENSITIVITY TO IMPACT: Not applicable.

SENSITIVITY TO STATIC DISCHARGE: Not applicable.

HAZARDOUS COMBUSTION PRODUCTS : Thermal decomposition may produce toxic fumes of Carbon Monoxide and/or Carbon dioxide.

EXTINGUISHING MEDIA: Water, CO2, Dry Chemical, Foam. Unusual Fire and Explosion Hazards – None. This product is not considered flammable

SPECIAL FIRE FIGHTING PROCEDURES: None. Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by firefighters

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known.

SECTION V - REACTIVITY DATA

STABILITY: Stable under normal conditions.

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CONDITIONS TO AVOID: None Known.

INCOMPATIBILITY (MATERIALS TO AVOID): None Known.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None Known.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI - HEALTH HAZARD DATA

SKIN CONTACT: Direct contact may cause slight irritation.

EYE CONTACT: Direct contact can cause severe irritation. Remark: Causes corneal injury.

SKIN ABSORPTION: Skin Toxicology Result: LD50 > 2,000 mg/kg. Remark: Very low order of toxicity.

INGESTION: Oral Toxicology result: LD50 > 2,000 mg/kg. Remark: Very low order of toxicity.

INHALATION: Product is extremely low in volatility and therefore not likely to pose a problem from inhalation. Inhalation Toxicology Result: LC50. Remark: Not acutely Toxic.

HEALTH HAZARDS: ACUTE: Acute Eye Contact – Direct contact can cause severe irritation. Acute Skin Contact – Direct contact may cause slight irritation. Acute Inhalation – Product is extremely low in volatility and therefore not likely to pose a problem from inhalation. Acute Ingestion – May be harmful if ingested, not a likely route of entry. **CHRONIC:** Repeated or prolonged direct contact to the eyes may cause chemical burns. Repeated or prolonged direct contact to the skin may cause a dermatitis.

CARCINOGENICITY: NTP: No IARC Monographs: No OSHA Regulated: No

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

EMERGENCY AND FIRST AID PROCEDURES: EYE CONTACT: Flush with large amounts of water for at least 15 minutes. Consult a physician if ill effects or irritation occurs. **INHALATION:** An unlikely route of entry. Remove to fresh air. Consult a physician **SKIN CONTACT:** Clean product from affected area with Ethyl alcohol, then wash with soap and water. **INGESTION:** An unlikely route of entry. Consult a physician.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Collect spill with absorbent material such as cardboard and place into a container approved for waste disposal.

WASTE DISPOSAL METHOD: If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. This product becomes a firm synthetic rubber when cured. Please allow to cure before disposal.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Handling – **Personal Protective Equipment**: Eye Protection – Wear safety glasses or goggles to avoid eye contact. Skin Protection – Wear impervious gloves such as vinyl to minimize contact with skin. Respiratory Protection – Not required. Work/Hygienic Practices – Avoid contact with eyes and skin. Wash thoroughly after handling and before eating or drinking. Avoid eye, skin and clothing contact. Storage – Store in a cool dry area (this product polymerizes when in contact with moisture.)

OTHER PRECAUTIONS: Prevent skin and eye contact. Workers should shower and change to fresh clothing after each shift.

SECTION VIII - CONTROL MEASURES

VENTILATION: None needed.

EXPOSURE GUIDELINES: No established limits.

RESPIRATORY PROTECTION: Not required.

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PROTECTIVE CLOTHING: Wear impervious gloves such as vinyl to minimize contact with skin.

EYE PROTECTION: Wear safety glasses or goggles to avoid eye contact

WORK/HYGIENIC PRACTICES: Avoid contact with eyes and skin. Wash thoroughly after handling and before eating or drinking.

OTHER PROTECTIVE EQUIPMENT AND MEASURES: 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. Follow all label instructions. Educate and train employees in safe use of product.

SECTION IX - REGULATORY INFORMATION

DOT PROPER SHIPPING NAME: Not regulated.

IATA PROPER SHIPPING NAME: Not regulated.

IMO PROPER SHIPPING NAME: Not regulated.

STATE REGULATIONS: CALIFORNIA - California Proposition 65 – This product contains no levels of listed substances which the state of California has found to cause cancer, birth defects or other reproductive harm. WHIMS Classification – D2B

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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