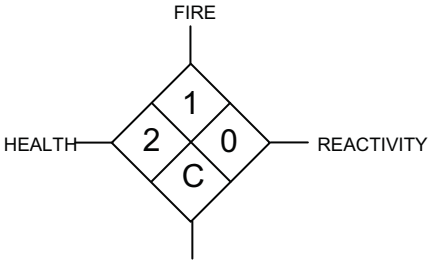
MATERIAL SAFETY DATA SHEET

PRODUCT NAME: P-TUFF® CATALYST



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

SECTION I - COMPANY IDENTIFICATION

POLYTUFF SYSTEMS INTERNATIONAL

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Las Vegas, NV 89119

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

DATE REVISED: May 15, 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
ORGANOTIN	77-58-7	N/E	N/E		0.2	160°C (320°F)

* No 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: >204°C (400°F)

SPECIFIC GRAVITY: (H_2O=1): 1.01

COATING V.O.C.: N/A

VAPOR DENSITY: N/A

EVAPORATION RATE: Slower than ether

SOLUBILITY IN WATER: Insoluble

APPEARANCE AND ODOR: Pink oily liquid, mild chemical odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >93°C (200°F)

METHOD USED: TCC

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

EXTINGUISHING MEDIA: Dry chemical, alcohol foam, carbon dioxide, water spray.

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. Excessive pressure or temperature may cause explosive rupture of containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

SECTION V - REACTIVITY DATA

STABILITY: Stable at ambient temperatures, closed containers.

CONDITIONS TO AVOID: High temperature, open flame, and moisture.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids and other strong oxidizing agents.

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HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Combustion products: carbon monoxide, carbon dioxide, tin oxides and other unidentified fragments.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI - HEALTH HAZARD DATA

SKIN CONTACT: Skin irritation or pain. Prolonged contact may result in chemical burns, scarring or other permanent damage.

EYE CONTACT: Can induce irritation or chemical burns on contact with eyes. Prolonged contact can cause conjunctivitis or corneal damage.

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, and injury may be severe. Gastrointestinal discomfort with any or all of the following symptoms: nausea, vomiting, lethargy or diarrhea may result.

INHALATION: Under normal conditions, risk of exposure to vapors is minimal. However spraying or sudden release of hot liquid would cause exposure to vapors. Vapors can irritate eyes, nose and respiratory passages. Severe overexposure may induce respiratory sensitization with asthma like symptoms. Symptoms include chronic cough, tightness of chest with difficulty in breathing. These symptoms may be immediate or delayed up to several hours after exposure. Chronic exposures may result in permanent decreases in lung function.

HEALTH HAZARDS: ACUTE: Exposure may cause skin and eye irritation, respiratory tract irritation. Chemical burns may result due to overexposure. Affects of exposure may be delayed. **CHRONIC:** Repeated and prolonged exposure at low levels may result in adverse skin and eye effects, liver and kidney disorders.

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

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Skin disorders and allergies, eye disease

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**: Immediately drink water to dilute and call a physician. 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: Construct a dike to prevent spreading. 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: 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. The material is Class III B Combustible; the combustion products may not be hazardous. Do not expose this material to open flames, spark or other sources of ignition.

OTHER PRECAUTIONS: Prevent skin and eye contact, observe TLV limitations. Avoid breathing vapors. Workers should shower and change to fresh clothing after each shift. Very toxic to aquatic organisms. May cause long-term adverse effects in aquatic environment.

SECTION VIII - CONTROL MEASURES

VENTILATION: Use local exhaust ventilation to keep airborne concentrations below the TLV. Follow guidelines in the ACGIH publication “Industrial Ventilation”. Exhaust air may need to be cleaned by scrubbers of filters to reduce environmental contamination.

RESPIRATORY PROTECTION: If airborne concentrations exceed or are expected to exceed the TLV, use MSHA/NIOSH approved air respirator with a full face piece or an air supplied hood. For emergencies, use a positive pressure self-contained breathing apparatus.

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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: 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.

SECTION IX - REGULATORY INFORMATION

DOT PROPER SHIPPING NAME: Not regulated.

IATA PROPER SHIPPING NAME: Not regulated.

IMO PROPER SHIPPING NAME: UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S.(Contains Dibutyltindilaurate), Class 9, PG III, Marine Pollutant.

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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