



MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY INFORMATION

Proflex Products, Inc.

Phone: 877-577-6353

Medical Emergency Phone Number (24 Hours): 1-888-853-1758

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

PRODUCT INFORMATION

PRODUCT NAME: PWA-300

PRODUCT DESCRIPTION: BAMBOOBOND PWA-300

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

* POLYMERIC DIPHENYLMETHANE DIISOCYANATE 9016-87-9 <0.0001 77 F 11 - 20%

Contained in this polymeric MDI product IS 4,4'-DIPHENYLMETHANE

DIISOCYANATE, CAS# 101-68-8, UPPER BOUND 20%.

OSHA PEL: 0.02 PPM CEILING 0.02 MG/M3 CEILING

ACGIH TLV: 0.005 PPM TWA 0.051 MG/M3 TWA

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

INFORMATION CONCERNING ITEMS LISTED AS PROPRIETARY WILL BE DISPENSED TO HEALTH AND SAFETY PROFESSIONALS AS REQUIRED BY 29CFR 1910.1200 (OSHA HAZARD COMMUNICATIONS STANDARD).

TSCA INVENTORY STATUS: ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

SECTION 3: HAZARDS IDENTIFICATION

Inhalation and symptoms of exposure—Concentrations of Isocyanate vapors can irritate the mucous membranes in the respiratory tract causing runny nose, sore throat, coughing, chest discomfort, reduced lung function, and pulmonary edema. Repeated overexposure or a single large dose can result in Isocyanate sensitization. These symptoms can be delayed up to several hours after exposure.

Skin—Isocyanates react with skin protein and moisture and can cause irritation. Prolonged contact can result in skin sensitization. Skin absorption may be harmful. May cause skin sensitization or other allergic responses. May cause pain, itching, discomfort or dermatitis.

Eye—Vapors can cause burning in eyes and if left untreated, can result in corneal damage.

Ingestion—Can result in irritation and corrosive action in the mouth, stomach tissue, and digestive tract. Symptoms can include sore throat, abdominal pain, nausea, vomiting, and diarrhea

HEALTH HAZARDS

May be irritating to eyes, skin and mucous membranes. May cause redness, swelling or dermatitis. May cause allergic reactions, sensitization, coughing or sore throat. **Medical conditions generally aggravated by exposure** include asthma, other respiratory disorders (bronchitis, emphysema, bronchial hyper activity), skin allergies, eczema.

SECTION 4: FIRST AID MEASURES

EYES—Flush with copious amounts of water for at least 15 minutes. Seek medical attention.

SKIN—Remove contaminated clothing and wash thoroughly with soap and water.

INHALATION—Move victim to fresh air, administer oxygen or artificial respiration as needed. Seek medical attention

INGESTION—Do not induce vomiting. Give one (1) or two (2) cups of milk or water to drink. Never give anything by mouth to an unconscious person. Consult physician.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: 200 °C

METHOD USED: PMCC

Flammable limits in air by volume— LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide, foam, water spray for large fires.

SPECIAL FIREFIGHTING PROCEDURES

Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by fire-fighters. During a fire Isocyanate Monomer Vapors and other irritating, highly toxic gases may be generated by thermal decomposition. Unusual fire and explosion hazards at temperatures greater than 400F Isocyanates can polymerize and decompose which can cause pressure buildup in closed containers. Explosive rupture is possible. Therefore, use cold water to cool fire exposed containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Evacuate and ventilate spill area; dike spill to prevent entry into water system. Wear full protective equipment. Absorb with inert material. Spill can be neutralized with the following solution (90% water, 8% ammonia, 2% detergent). Add about 10 parts of neutralizer per part of Isocyanate. Scoop into disposal containers. Do not seal waste containers as CO₂ evolution can cause pressure buildup and container can rupture.

Waste Disposal Method

Incinerate or bury in landfill in accordance with Federal, State, and Local regulations. Incineration is the preferred method of disposal.

SECTION 7: HANDLING AND STORAGE

Store in tightly closed containers to prevent moisture contamination. Care should be taken to avoid contact with skin and eyes. Do not breathe aerosols or other precautions.

Dispose of all contaminated leather items. Leather cannot be decontaminated.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Due to different applications, the end user should make the final determination as to the proper equipment and controls to be used with this product. Self-contained or air supplied respirator with full-face piece where TLV is exceeded. Cartridge respirators are not recommended due to the poor warning properties of Isocyanates. Exposed persons will not be able to smell the material until the TLV has been exceeded.

*Permeation resistant gloves (butyl rubber, nitrile rubber, PVC or polyvinyl alcohol), glasses with side shields, chemical splash goggles and/or face shields, and other protective clothing or equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE: NOT DETERMINED.

VAPOR DENSITY: NOT DETERMINED.

COATING V.O.C.: 0.0 lb/gal

SOLUBILITY IN WATER: NOT DETERMINED.

APPEARANCE AND ODOR: Beige/mild.

SPECIFIC GRAVITY (H₂O=1): 1.5315

EVAPORATION RATE: NOT DETERMINED.

MATERIAL V.O.C.: 0.0 lb/gal

SECTION 10: STABILITY AND REACTIVITY

Stability—Stable

Conditions to avoid—excessive heat.

Incompatibility (materials to avoid) - water, amines, strong bases, and alcohols.

SECTION 11: ECOLOGICAL INFORMATION

Overview—no ecological information available.

SECTION 12: PRODUCT DISPOSAL CONSIDERATIONS

Incinerate or bury in landfill in accordance with Federal, State, and Local regulations. Incineration is the preferred method of disposal.

SECTION 13: TRANSPORTATION INFORMATION

Consult Bill of Lading for transportation information.

SECTION 14: REGULATORY INFORMATION

Undetermined

END OF SECTION
REVISION 01/2013