

# MATERIAL SAFETY DATA SHEET

Revised 8/00  
Reviewed 2/04

## Section I

Manufacturer's Name  
Coatings For Industry, Inc.

Emergency Response #  
1-800-535-5053

Address  
319 Township Line Road  
Souderton, PA 18964

Non-Emergency #  
215-723-0919

Chemical Name & Synonyms  
Two component polyurethane coating

Trade Name & Synonyms  
Urethabond 313 Part A  
Pigmented, Clear and Mod. #2

## Section II - Hazardous Ingredients

	% (Approx.)	TLV	CAS#
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-Solvents			
Propylene Glycol Monomethyl Ether Acetate (PMA)	0 to 17.7	OSHA: Not established	108-65-6
**Exposure limits of 100 ppm TWA (150 ppm stel) are recommended based on similarity to propylene glycol monomethyl ether.**			
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N-Butyl Acetate	8.3 to 38.2	OSHA: 150 ppm TWA 200 ppm STEL ACGIH: 150 ppm TWA 200 ppm STEL	123-86-4
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Ethyl 3-Ethoxypropionate (EEP)	5.5 to 12	OSHA: Not established ACGIH: Not established	763-69-9
**An exposure limit has not been established. Recommended exposure limit is 50 ppm as an 8 hour TWA and L00 ppm as a 15 minute stel.**			
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Aromatics 100	0 to 6.6	OSHA: 150 ppm TWA 200 ppm STEL ACGIH: 150 ppm TWA 200 ppm STEL	64742-95-6



**Section V - Human Health Data (cont.)**

**Chronic Skin Contact :** Chronic skin exposure to solvents may cause effects similar to those identified under Chronic Inhalation effects.

**Acute Eye Contact :** Liquid, aerosols and vapors of this product are irritating and can cause tearing, reddening and swelling of the eye. If left untreated, corneal damage can occur and injury is slow to heal. However, damage is usually reversible. See Section VI for treatment.

**Chronic Eye Contact :** Prolonged vapor contact may cause conjunctivitis.

**Acute Ingestion :** Can result in irritation and possible corrosive action in the mouth, stomach tissue and digestive tract. Vomiting may cause aspiration of the solvent resulting in chemical pneumonitis.

**Chronic Ingestion :** None found.

**CARCINOGENICITY**

NTP..... Not listed

IARC..... Not listed

OSHA..... Not regulated

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE : None known

Exposure Limits - Not established for product as a whole. Refer to Section II for exposure limits of hazardous constituents.

**Section VI - Emergency and First Aid Procedures**

**First Aid for Eyes -** Flush with clean, lukewarm water (low pressure) for at least 15 minutes, while lifting eyelids. Obtain medical attention if irritation persists.

**First Aid for Skin -** Remove contaminated clothing immediately. Wash affected areas thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse.

**First Aid for Inhalation -** Move to an area free from risk of further exposure.

Administer oxygen or artificial respiration as needed. Obtain medical attention.

**First Aid for Ingestion -** Do not induce vomiting. Do not give anything by mouth to an unconscious person. Consult a physician.

**Section VII - Employee Protection Recommendations**

**Eye Protection Requirements -** Safety glasses, splash goggles or face shield. Contact lenses should not be worn.

**Skin Protection Requirements -** Chemical resistant gloves. Cover as much of the exposed skin area as possible with appropriate clothing.

**Respirator/Ventilation Requirements -** Exhaust ventilation sufficient to keep the airborne concentrations of the solvents in the workplace below their respective TLV's.

**Section VII - Employee Protection Recommendations (cont.)**

Respirator that is recommended or approved for use in organic vapor containing environments (air purifying or fresh air supplied) may be necessary. In spray applications an organic vapor/particulate respirator or air supplied air unit is necessary. The use of a positive pressure supplied air respirator is mandatory when: airborne concentrations are not known; when levels are 10 times the appropriate TLV; or if spraying is performed in a confined space or area with limited ventilation. Take into account other materials being used concurrently, the type of application and environmental concentrations when selecting a respirator. Observe OSHA regulations for respirator use (29 CFR 1910.134).

**Additional Protective Measures** - Safety showers and eyewash stations should be available. Educate and train employees in safe use of product. Follow all label instructions.

**Section VIII - Reactivity Data**

Stability ~~~~~ Stable under normal conditions

Hazardous Polymerization ~~~~ Will not occur

Incompatibilities ~~~~~ Strong oxidizers. This product contains trimethylol propane and should not be combined with phosphorus containing materials because highly toxic fumes can be emitted in a fire situation.

Instability Conditions ~~~~~ None known

Decomposition Products by Fire ~ CO, CO<sub>2</sub>

**Section IX - Spill and Leak Procedures**

**Spill or Leak Procedures** - Evacuate nonessential personnel. Remove all sources of ignition and ventilate the area. Equip clean up crew with appropriate protective equipment (see Employee Protection Recommendations). Soak up in absorbent material such as sand, vermiculite, Fuller's Earth and collect material in suitable containers.

**Waste Disposal Method** - Waste may be incinerated or disposed of in accordance with federal, state, and local environmental control regulations. Empty containers must be handled with care due to product residue and combustible solvent vapor. Do not heat or cut empty container with electric or gas torch. (See Section IV and VIII).

**Section X - Special Precautions and Storage Data**

Storage Temperature (min/max) ~~~~~ 32°F. (0°C.)/122°F. (50°C.)

Shelf Life ~~~~~ Two years, if unopened

**Special Sensitivity** - Material is hygroscopic and may absorb small amount of atmospheric moisture. Containers should be tightly closed to prevent contamination with foreign materials and moisture.

**Section X - Special Precautions and Storage Data (cont.)**

**Handling/Storage Precautions - MATERIAL IS FLAMMABLE** - Keep away from heat, sparks and open flame. Take precautions against the buildup of electrostatic charges. Store in tightly closed containers to prevent moisture contamination. Practice caution and good personal cleanliness to avoid contact with skin and eyes. Avoid breathing vapors.

NOTE - Two component system - the cautions and hazards of both components apply to combined product when mixed.

**Section XI - Shipping Information**

D.O.T. Shipping Name ~~~~~ Paint  
D.O.T. Hazard Class ~~~~~ Flammable Liquid  
UN/NA Number ~~~~~ UN1263  
D.O.T. Label ~~~~~ Flammable Liquid  
D.O.T. Placard ~~~~~ Flammable

**NOTICE** : This information is presented in good faith and believed to be accurate as of the effective date below. However, no warranty is express or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Coatings For Industry, Inc. assumes no responsibility for personal injury or property damage to vendees, users, or third parties caused by the material, such vendees or users assume all risks associated with the use of the material. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state and local laws. The preceding specific information is made for the purpose of complying with numerous federal, state and local laws and regulations.