# MATERIAL SAFETY DATA SHEET

## SECTION I - MANUFACTURERS INFORMATION

**PRODUCT NAME: 4400 Series High Solids Polyurethane**
MSDS PREPARATION DATE: 9-20-11
MANUFACTURER: CPS COATINGS, INC.
624 AIRPORT DR. SHREVEPORT, LA 71107
PRODUCT INFORMATION: (318) 222-6100
EMERGENCY TELEPHONE: 1-800-424-9300

While we believe that the data herein is accurate & derived from quality sources, this data is not to be taken as a warrantee or product liability. It is offered solely for your consideration and personal protection.

## SECTION II - HAZARDOUS INGREDIENTS

| Ingredients | CAS Number | VAPOR PRESSURE mm HG @ TEMP | WEIGHT PERCENT |
|---|---|---|---|
| * Methyl AMYL Ketone | 110-43-0 | 16mm Hg@68°F | 10-15% |
| * Xylene | 1330-20-7 | 9.5mm Hg@68°F | 5-10% |
| * EB Acetate | 112-07-2 | .29mm Hg@68°F | 1-5% |
| * Methyl Isobutyl Ketone | 108-10-1 | 3.7mm Hg@68°F | 1-5% |
| * N-Butyl Acetate | 123-86-4 | 7.8mm Hg@68°F | 1-5% |

*** Indicates toxic chemicals subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.**

## SECTION III - PHYSICAL DATA

Boiling Point: 241° F.
Vapor Density (Air=1): Heavier than air
Specific Gravity. 1.26
Evaporation Rate: Slower than Ether
V.O.C.: 3.0 - 3.8 lbs/gal.

Vapor Pressure (mmHg): @ 77°F= 23.0
Melting Point (°C): N/A
Solubility in Water: none
Appearance and Odor: All Colors – Mild
Weight Solids: 55-68 %

## SECTION IV - FIRE AND EXPLOSION DATA

**Flash Point (Method Used):** Setaflash, 80°F

Flammable Explosion: LEL = 1.0% UEL = 8.2%

**Extinguishing Media:** (1) Dry Chemical, (2) CO2, (3) Foam

Special Fire Fighting Procedures: Dry Chemical, Carbon Dioxide, Water Spray or Regular Foam. Full protective equipment including self-contained breathing apparatus should be used. If water is used, fog nozzles are preferable. Water may be used to cool dosed containers to prevent pressure buildup due to extreme heat. CAUTION: A straight stream of water will spread fire.

Unusual Fire and Explosion Hazards: Vapor accumulation will flash and/or explode, if ignited. Containers may burst explosively if overheated in fire. Cool with water spray or fog. Empty containers also present fire explosion hazard due to residual vapors. Keep containers tightly dosed. During emergency situations, over-exposure to decomposition products may cause a health hazard with no symptoms immediately apparent. Obtain medical attention.

## SECTION V - HEALTH HAZARD DATA

Primary routes of entry: Inhalation, Ingestion , Skin Contact, Eye Contact

EFFECTS OF OVEREXPOSURE:

**ACUTE:**

**Inhalation** - Anesthetic. Irritation of respiratory tract or acute nervous system depression. Overexposure may result in headaches and nausea possibly followed by loss of consciousness.
**Ingestion**: Gastrointestinal irritation including vomiting can occur. Aspiration of material into lungs may result in chemical pneumonitis, which can be fatal.
**Skin contact:** Liquids can be absorbed through the skin resulting in symptoms similar to the inhalation effects above.
**Eye contact:** Will irritate.

**CHRONIC:** Some reports have associated repeated, prolonged overexposure to solvents with permanent central nervous system changes. Misuse by concentrating and inhaling the contents may be harmful or fatal.

California Proposition 65 requires that warnings be given regarding exposures to chemicals listed by the State as being known to cause cancer, birth defects or other reproductive harm. This product is not intentionally formulated with chemicals that are listed by California as causing the above effects. However, the suppliers of some chemical ingredients used in this product inform us that they may contain trace, but detectable, levels of some listed chemicals as impurities. Therefore, trace, but detectable, levels of listed chemicals may be present in this product.

## EMERGENCY & FIRST AID PROCEDURES:

Vapor Inhalation - Restore breathing. Remove to fresh air. Keep warm and quiet. Notify a physician.

Eye Contact - Flush IMMEDIATELY with copious amounts of running water for at least 15 minutes. Take to physician for definitive medical treatment.

Skin Contact - Clean and wash affected area with water. Consult a physician if needed.

Ingestion – Drink 1 or 2 glasses of water to dilute. DO NOT INDUCE VOMITING! Call physician immediately

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Heat, open flames, electrical and static discharge.

**INCOMPATIBILITY:** (materials to avoid): Strong oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** May produce hazardous fumes when heated to decomposition as in welding.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS IF SPILLED:

Ventilate area. Remove all possible sources of ignition.
Avoid prolonged breathing of vapors.
Confine spill with Inert absorbent and clean up with spark-proof tools.

WASTE DISPOSAL:

Dispose of in accordance with local, state, and federal regulations.

Landfill or incinerate only in approved facility by licensed contractor.

Do not incinerate in closed container.

# SECTION VIII - SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** Use NIOSH/MSHA TC23C Chemical / Mechanical type filter system to remove a combination of particles, gas & vapors. Use an air supplied respirator if necessary.

**VENTILATION:** Use adequate ventilation in volume and pattern to keep TLV's and PEL's below recommended limits. General mechanical ventilation should comply with OSHA 1910.94.

**PROTECTIVE GLOVES:** To prevent prolonged exposure, use rubber gloves. Solvents may be absorbed through the skin.

**EYE PROTECTION:** Safety glasses or goggles with splashguards of side shields.

**OTHER PROTECTIVE EQUIPMENT:** Prevent prolonged skin contact to contaminated clothing.

## SECTION IX - SPECIAL PRECAUTIONS

**HANDLING PRECAUTIONS**:
Do not store over 120°F. Avoid spillage and/or the creation of airborne aluminum dust. When storing large quantities, store in building designed and protected against flammable liquids. Use static lines when mixing and transferring material. Do not allow material to free fall more than five (5) inches.

**OTHER PRECAUTIONS:**

**'FOR INDUSTRIAL USE ONLY'**
DO NOT TAKE INTERNALLY. IF INGESTED, DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN. DO NOT FLAME CUT, WELD, OR BRAZE ON COATED MATERIAL WITHOUT NIOSA/MSHA TC23C RESPIRATOR.

**DISCLAIMER:**
THE INFORMATION CONTAINED HEREIN IS BASED ON TECHNICAL DATA WHICH WE BELIEVE TO BE RELIABLE. HOWEVER, SINCE THE CONDITIONS UNDER WHICH THIS INFORMATION MAY BE APPLIED ARE BEYOND OUR CONTROL, WE CAN ASSUME NO LIABILITY FOR RESULTS OF ITS APPLICATION. ONLY PERSONS HAVING SUFFICIENT TECHNICAL SKILL TO MAKE INFORMED JUDGEMENTS REGARDING ITS APPLICATION SHOULD USE THIS INFORMATION.

## SECTION X – TRANSPORTATION INFORMATION

**DOT SHIPPING NAME:** PAINT

**HAZARD CLASS:** 3

**UN NUMBER:** UN1263

**PACKING GROUP:** II (2)

Health: - **2**
Flammability: - **3**
Reactivity: - **0**