

**MATERIAL SAFETY DATA SHEET**

**PLIOSHIELD - Clear Protective Finish**

Product Code: 9S173 .

**1. MANUFACTURER:** Multicolor Specialties, Inc. (MSI)

1200 Storbeck Dr., P.O. Box 30, Waupun, WI 53963.

INFORMATION PHONE: 920-324-9505

CHEMTREC PHONE: 800/424-9300

**2. HAZARDOUS INGREDIENTS:**

<u>CHEMICAL NAME</u>	<u>CAS</u>	<u>%</u>
a. Propylene glycol phenyl ether	770-35-4	1.16%
b. Dipropylene glycol n-butyl ether	29911-28-2	1.06%

**EXPOSURE LIMITS:**

a. None established.

b. Manufacturer TWA Aerosol 10 mg/m3.

Additional non-hazardous chemicals listed to comply with New Jersey and Pennsylvania states right-to-know standards: Water 7732-18-5, TSRN 01357, TSRN 01870.

**3. PHYSICAL CHARACTERISTICS:**

APPEARANCE: White solution.

BOILING RANGE: 210 - 396 Deg. F

EVAPORATION RATE: Slower than Butyl Acetate.

FREEZING POINT: 32 Deg. F

SOLUBILITY IN WATER: Yes

WEIGHT PER GALLON: 8.52 lb/gal.

VAPOR DENSITY: Heavier than air.

V.O.C.: Maximum 99.0 g/l, 0.83 lb/gal (regulatory, less exempt).

V.O.C.: Actual 2.46% wt; 25.2 g/l; 0.21 lb/gal material.

**4. FIRE AND EXPLOSION HAZARD DATA:**

FLASH POINT: N/A, Non-flammable. LEL: None. UEL: None.

EXTINGUISHING MEDIA: Use all purpose ABC extinguisher or appropriate extinguisher for the type of material burning. Liquid material should not support fire.

SPECIAL FIRE FIGHTING PROCEDURES: Not applicable.

UNUSUAL FIRE AND EXPLOSION HAZARDS: During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**5. REACTIVITY DATA:** Stable. Avoid strong acids and water-reactive materials. Hazardous polymerization will not occur.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** Incineration will produce smoke, carbon monoxide, carbon dioxide, and oxides of nitrogen.

**6. HEALTH HAZARD DATA:**

H.M.I.S./NFPA. RATING: Health: 1; Fire: 0; Reactivity: 0; PPE: I.

ROUTES OF ENTRY: Ingestion, inhalation, and skin.

EFFECTS OF OVEREXPOSURE: With liquid contact, eye irritation can occur. Ingestion of this product may cause nausea, vomiting, and/or diarrhea. Overexposure to vapors could result in eye and upper respiratory tract irritation. Prolonged breathing of vapors may cause nausea, headache, weakness, and/or dizziness. No known long-term or chronic effects. This product

is not regulated as a potential carcinogen by the OSHA Hazard Communication Standard or the Canadian WHMIS legislation.

**FIRST AID:**

SKIN CONTACT - Remove contaminated clothing. Wash skin thoroughly with soap and water.

EYE CONTACT - Flush immediately with large amounts of water for at least 15 minutes. Take to physician for medical treatment. INHALATION - If overcome by exposure, remove victim to fresh air.

INGESTION - Induce vomiting. Get immediate medical attention.

**7. PRECAUTIONS FOR SAFE HANDLING AND USE:**

Do not breathe vapors or spray mist. Use with adequate ventilation. To avoid breathing vapors or spray mist, open windows and doors or use other means to ensure fresh air entry during application and drying. Wear respiratory protection (NIOSH/MSHA approved respirator). Close container after each use. Avoid contact with eyes or skin. **KEEP OUT OF REACH OF CHILDREN. KEEP FROM FREEZING.**

PERSONAL PROTECTION EQUIPMENT: Wear safety glasses, gloves, and vapor / dust respirator (NIOSH/MSHA approved).

ACCIDENTAL RELEASE MEASURES: Confine in small area. Clean up with approved absorbent materials. May use water to flush area or clean.. Place in closed container for disposal.

WASTE DISPOSAL: Dispose in accordance with federal, state and local regulations.

ENVIRONMENTAL HAZARDS: None known.

**8. ADDITIONAL REGULATORY INFORMATION:**

CALIFORNIA PROP 65: This product contains no chemical(s) suspected or known to the state of California to cause cancer or reproductive toxicity.

SARA TITLE III, SECTION 311/312: Immediate (acute).

SARA TITLE III, SECTION 313: This product contains the following toxic chemicals that are subject to the reporting requirements of the EPCRA Section 313: None.

TRANSPORTATION: Not regulated under DOT as a hazardous material. Not hazardous, non-combustible.

TSCA: All ingredients have been listed with TSCA.

The information contained herein has been checked and is, to the best of our knowledge and belief, accurate. 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. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

Revision: 09/11/08

Replaces:

