

MATERIAL SAFETY DATA SHEET
U.S. Department of Labor
Occupational Safety and Health Administration

**SECTION 1
IDENTIFIERS**

COMPANY: **STYRO Industries**
ADDRESS: P.O. Box 8098
Madison, WI 53708

EMERGENCY PHONE NUMBER: 888-702-9920
PRODUCT: **STYRO Industries TUFF II Coating**
CHEMICAL GROUP: Water based sanded acrylic finishes
EFFECTIVE DATE: 10/97

**SECTION 2
COMPOSITION**

<u>Chemical Name</u>	<u>CAS No.</u>	<u>%B.W.</u>	<u>TLV</u>
Acrylic resin emulsions	proprietary	major	not established
quartz silica	14808-60-7	major	0.1 mg/M3 *
hydrated aluminum silicates	1332-58-7	minor	5 mg/M3 *
water	7732-18-5	minor	not hazardous
surfactant	9016-45-9	minor	0.5 ppm PEL
titanium dioxide	13463-67-7	minor	5 mg/M3 *
antifoam	64741-88-4	minor	5 mg/M3 *
Esther alcohol	25265-77-4	minor	not established
hydroxyethyl cellulose	9004-62-0	minor	not hazardous
propylene glycol	000057-55-6	minor	not hazardous
preservatives	2634-33-5	minor	not established
ammonia	1336-21-6	minor	25 ppm

* Note - as respirable dust (or mist).

Generic Description: A water based thixotropic mixture containing 100% acrylic resins, extenders, and modifiers.

**SECTION 3
PHYSICAL DATA**

pH: Approx. 9.0
Fl. Pt.: > 200F Seta (cc) non-flammable
Vapor Pressure: 17 mm Hg
Vapor density: 1 (water = 1)
Evap. Rate: < 1 (ether = 1)
Physical State: thixotropic, opaque liquid
Percent volatile by volume: Approx. 15%
Sp. Gr. 1.44
% Solubility (water): dispersible in water (partially soluble).

**SECTION 4
FIRE AND EXPLOSION HAZARD DATA**

Flash point: >200 degrees F Seta
Flammable limits: N/A
Extinguishing media: N/A
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: None
Thermal Decomposition yields oxides of carbon, silicon, sodium, aluminum, iron, nitrogen, magnesium and trace halogens.

**SECTION 5
HEALTH HAZARD EFFECTS**

Effects of Overexposure

WARNING: This product contains a chemical known to the State of California to cause cancer.

Skin: May be a mild skin irritant.

Eyes: Damaging to the eyes.

Breathing: Prolonged inhalation of vapors may cause irritation to the upper respiratory tract.

Swallowing: Harmful if swallowed.

**SECTION 6
FIRST AID INSTRUCTIONS**

Skin Contact: Wash exposed area with a soap solution or water.

Eye Contact: Immediately flush eyes with water for 15 minutes. Immediately contact a physician for additional treatment.

Inhalation Exposure: Remove victim from contaminated area to fresh air. Apply appropriate first aid treatment as necessary.

Swallowing: Do not feed anything by mouth to an unconscious or convulsive victim.

Specific: Do not induce vomiting. Immediately contact a physician. Dilute contents of stomach using 3-4 glasses of milk or water.

**SECTION 7
SPILL AND DISPOSAL INSTRUCTIONS**

Spill Instructions

General: Ventilate area. Place in waste disposal container.

Specific: Flush area with water. Wet area may be slippery. If so, spread sand or grit.

Disposal Instruction

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

**SECTION 8
SPECIAL PROTECTIVE EQUIPMENT**

Ventilation Protection: Adequate ventilation.

Recommended Respiratory Protection: If ventilation is inadequate, use a mask with dust/mist/fume cartridges.

Recommended Skin Protection: Rubber gloves.

Other Protective Equipment: Full coveralls.

Recommended Eye Protection: Splash proof chemical goggles.

Personal Hygiene: Wash thoroughly after handling product.

**SECTION 9
STORAGE AND HANDLING PRECAUTIONS**

Storage Instructions: Keep container closed. Keep dry and out of reach of children and pets.

Handling Instructions: Normal chemical handling.

**SECTION 10
REGULATIONS**

FIFRA (40 CFR): EPA Reg. No. NONE USED.

OSHA (29CFR Sec. 1910) - Safety and Health Standards:

See Section 2 above.

FDA (21CFR) Ingredients Authorized Under: None

This form is intended for general compliance with New Jersey and Pennsylvania freedom of information legislation, California proposition 65, and the noted sections of the Code of Federal Regulations.

This form is essentially equal to OSHA 20 Form. While the information and recommendations set forth herein are believed to be accurate as of the date hereof, STYRO Industries makes no warranty with respect this information. Recipients are advised to confirm, in advance of need, that the information is current, applicable, and suitable to their circumstances.