

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

**SECTION 1
IDENTIFIERS**

COMPANY: Styro Industries
ADDRESS: 390 Viking Circle, Rio, WI 53960

EMERGENCY PHONE NUMBER: 888-702-9915 (888-702-9916 fax)
PRODUCT IDENTIFIER: Tuff II
PRODUCT USE: Water based sanded acrylic coating
EFFECTIVE DATE: 09/2011 - Prepared by Robert Krehl
(888-702-9915)

**SECTION 2
COMPOSITION**

<u>Chemical Name</u>	<u>CAS No.</u>	<u>%B.W.</u>	<u>TLV</u>
Acrylic resin emulsions	proprietary	20-30	not established
quartz silica	14808-60-7	45-55	0.1 mg/M ³ *
hydrated aluminum silicates	1332-58-7	4-6	5 mg/M ³ *
water	7732-18-5	8-12	not hazardous
surfactant	9016-45-9	1-3	0.5 ppm PEL
titanium dioxide	13463-67-7	8-12	5 mg/M ³ *
antifoam	64741-88-4	1-3	5 mg/M ³ *
ester alcohol	25265-77-4	2-4	not established
hydroxyethyl cellulose	9004-62-0	1-3	not hazardous
propylene glycol	000057-55-6	2-7	not hazardous
preservatives (DCOIT)	2634-33-5	<1	not established
ammonia	1336-21-6	<1	25 ppm

* Note - as respirable dust (or mist).

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

**SECTION 3
HEALTH HAZARD EFFECTS**

Skin Contact: May be a mild skin irritant.

Skin Absorption: No known hazards.

Eyes: Damaging to the eyes.

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

Ingestion: Harmful if swallowed.

SECTION 4 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.

Ingestion: 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 5 FIRE AND EXPLOSION HAZARD DATA

Not Flammable

Flash point: >200 degrees F Seta

Flammable limits: N/A

Extinguishing media: N/A

Auto-ignition Temperature: None

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

Explosion Data: None

Hazardous Decomposition Products: None.

SECTION 6 SPILL 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.

SECTION 7 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 8 EXPOSURE CONTROL - 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.

Exposure Limits ACGIH TLV - none established

Exposure Limits OSHA PEL - none established

SECTION 9 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. 22%

VOC: Approximately 18.5 gm/L

Sp. Gr. 1.44

% Solubility (water): dispersible in water (partially soluble).

SECTION 10 STABILITY AND REACTIVITY

Chemically stable water-based coating. No known conditions promote severe chemical instability or reactivity.

SECTION 11 TOXOLOGICAL DATA

Effects of acute or chronic exposure have not been determined.

Product contains no materials known to be teratogenic, mutagenic, or carcinogenic.

Reproductive toxicity or embryo-toxicity is not known.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic toxicity is not known. Product is mildly alkaline, therefore higher concentrations of the product in estuaries may increase the pH of the estuary slightly.

**SECTION 13
DISPOSAL INFORMATION**

Disposal Instruction

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

**SECTION 14
TRANSPORTATION**

Not regulated for transportation.

DOT - not hazardous.

IMO - not hazardous.

**SECTION 15
REGULATIONS**

WHMIS CLASSIFICATION: NONE - Not Hazardous under WHMIS

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

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

See Section 2 above.

TSCA and EPS restricted chemicals: None

FDA (21CFR) Ingredients Authorized Under: None

SARA HRS NPL considerations: None

**SECTION 16
OTHER INFORMATION**

HMIS Health 1 HMIS Flammability 0 HMIS Physical Hazard 0 HMIS Personal B

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 and this product is classified in accordance with controlled products regulations and that information is contained in this Material Safety Data Sheet. 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.