

MATERIAL SAFETY DATA SHEET

Ultraseal Wood Stabiliser

1. PRODUCT AND COMPANY IDENTIFICATION

Chemical characterization	Blend of methacrylate esters
Supplier	Ultraseal America 4343 Concourse Drive, Suite 340 Ann Arbor MI 48108
Emergency telephone number	734 222 9478 (Ultraseal America - Office Hours) 1 800 424-9300 (Chemtrec – 24 Hours)
Product use	Impregnation sealant
Product Identification Number	N/A

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	Name	Weight %
	Hydroxypropyl methacrylate	75-95
	Trimethylolpropane trimethacrylate	1-5

See Section 15 of this MSDS for OSHA Regulatory Status

3. HAZARDS IDENTIFICATION

Emergency overview	This product is a light straw colored liquid with a mild odor. Causes eye, skin, and respiratory tract irritation. May cause sensitization by skin contact. In case of fire, use water spray, dry chemical, foam, or CO ₂ to extinguish fire.
Primary route(s) of entry	Skin, eyes and respiratory tract.

Symptoms of exposure

Inhalation Breathing vapors may cause irritation to respiratory tract.

Eye contact Causes irritation.

Skin contact Causes irritation. May cause sensitization.

Ingestion May cause irritation to gastro-intestinal tract.

Medical conditions aggravated by exposure Preexisting skin diseases.

Listed as carcinogen or potential carcinogen Not listed by OSHA, the International Agency for Research on Cancer (IARC), or the National Toxicology Program (NTP).

4. FIRST AID

Inhalation Remove patient from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

Eye contact Immediately rinse eyes slowly and gently with water for at least 15 minutes while holding eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Remove any contact lenses after the first 5 minutes and then continue flushing eyes. Get immediate medical attention.

Skin contact Wash affected areas with large amounts of running water, and soap if available, for 15 minutes. Remove contaminated clothing and shoes. Get immediate medical attention. Wash clothing and decontaminate shoes before reuse.

Ingestion Give 3-4 glasses of water, but DO NOT induce vomiting. If vomiting occurs, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.

Note to physician Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash Point and Method N/D

General hazard Heat can cause violent, or explosive, polymerization.

Extinguishing media Water spray, dry chemical, foam, or CO₂ to extinguish fire.

Extinguishing media to avoid None

Special firefighting instructions	Move containers from area if it can be done without risk. Cool fire exposed containers with water.
Firefighting equipment	As in any fire, wear NIOSH approved, positive-pressure, self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear appropriate protective equipment (see Section 8). Avoid contact with eyes, skin, or clothing.
Environmental precautions	Keep out of sewers or waterways.
Clean-up methods	Absorb in vermiculite, dry sand or earth and place into containers for disposal.

7. HANDLING AND STORAGE

Handling	Wear appropriate protective equipment (see Section 8). Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling, and before eating, smoking or using the toilet.
Storage	Keep in cool, dry, ventilated storage. Keep container closed. Store in original container; do not store in copper and its alloys, mild steel, or tin. Store below 25 °C. Lower temperatures are preferred. To maintain inhibitor activity, oxygen must not be eliminated from the atmosphere above the product. Oxygen level must be maintained in the range 5-21%.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls	General ventilation.
Personal Protection	
Respirator	In operations where mists or vapors are generated, use a NIOSH approved respirator (organic vapor) that has been selected by an industrial hygienist or other technically qualified person for the specific work conditions. If respirators are used, OSHA requires compliance with its respiratory protection program (29 CFR 1910.134).
Eye Protection	Wear safety glasses or vented safety goggles.
Gloves	Wear polyvinyl chloride (PVC) gloves.
Clothing	Wear appropriate protective clothing that will prevent skin contact. Remove and wash clothing that has become wet with product. Discard contaminated shoes.
Other	Eye wash, emergency shower.

Exposure controls N/E

9. PHYSICAL AND CHEMICAL PROPERTIES

Form Liquid

Color Colorless to light straw.

Odor Mild

Properties pH: N/A
Viscosity (20 °C): 32-34 sec.
Relative density (20 °C): 0.995-1.010
Solidification point: N/D
Water solubility: Forms an emulsion

10. STABILITY AND REACTIVITY

Reactivity Stable at normal temperatures. Polymerizes when heated.

Materials to avoid Strong oxidizing or reducing agents; inorganic peroxides; organic peroxides/hydroperoxides; strong acids or bases.

Conditions to avoid Elevated temperatures; may polymerize violently. Heat, flames, or other sources of ignition.

Hazardous decomposition products Carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity No information for product.

Chronic Toxicity No information for product. Literature sources indicate that hydroxypropyl methacrylate can cause skin sensitization to humans.

12. ECOLOGICAL INFORMATION

Ecotoxicity No information for product.

Persistence/degradability No information for product.

13. DISPOSAL CONSIDERATIONS

RCRA hazardous waste code Not regulated

Special instructions

Observe all federal, state and local laws and regulations.

14. TRANSPORT INFORMATION

DOT hazard class Not regulated
TDG hazard class Not regulated

15. REGULATORY INFORMATION

OSHA regulatory status
 (29 CFR 1910.1200) Hazardous

CERCLA reportable quantity (40 CFR 117, 302)	Name	Reportable quantity (lbs)
	None	N/A

SARA extremely hazardous substances (40 CFR 355)	Name	Threshold planning quantity (lbs)	Reportable quantity (lbs)
	None	N/A	N/A

SARA hazard categories
 (40 CFR 370) Immediate (Acute)
 Delayed (Chronic)

SARA toxic chemicals (40 CFR 372)	Name	CAS Number	Percentage
	None	N/A	N/A

Inventory Status The chemicals in this product are listed on the US TSCA Chemical Substances Inventory and the Canadian Domestic Substances List.

Toxic Substance Control Act No specific regulations apply.

Controlled Products Regulations This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the MSDS contains all required information.

HMIS III Ratings Health 2, Flammability 1, Physical Hazard 1

WHMIS classification D2B

State regulations

CA Proposition 65 This product contains traces of toluene, a chemical known to the State of California to cause cancer or reproductive toxicity.

16. OTHER INFORMATION

Abbreviations

C - Ceiling limit
ERG – Emergency Response Guidebook
LC₅₀ - The concentration of a substance in air that will kill 50% of test animals within a certain exposure period.
LD₅₀ - The dose that causes death in 50% of test animals.
N/A - Not applicable
N/D - Not determined
N/E - Not established
N/K - Not known
ERG - Emergency Response Guidebook
RQ - Reportable Quantity
TPQ - Threshold Planning Quantity
WHMIS – Workplace Hazardous Materials Information System

Preparation information

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March 2009

Replaces

February 2009

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.