

# SAFETY DATA SHEET

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

## SECTION 1. IDENTIFICATION

Product Identifier: Lead Seal - White Product Use: White Encapsulant for Lead Based Paints and Asbestos Manufactured for: Twin-Chem, Inc. 6175 Hickory Flat Highway Canton, GA 30115	Product Identification # (PIF): 03211 Emergency Telephone #: 1-800-255-3924 General Information #: 770-924-5333 Date Prepared: November 17, 2015
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## SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification



Signal Word: WARNING

Hazard Class	Category	Code	Hazard Statement
Acute Oral Toxicity	4	H302	Harmful if swallowed
Skin Irritation	2	H315	Causes skin irritation
Eye Irritation	2A	H319	Causes serious eye irritation
STOT: SE, Respiratory Tract Irritation	3	H335	May cause respiratory irritation
STOT, SE; Narcotic Effects	3	H336	May cause drowsiness or dizziness.
Hazardous to the Aquatic Environment, Long-term hazard	3	H412	Harmful to aquatic life with long-lasting effects

Precautionary Measures:

Category	Code	Statement
Prevention	P261 P264 P270 P271 P273 P280	Avoid breathing fumes/mists/vapors/sprays. Wash thoroughly after handling. Do not eat, drink or smoke or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response	P301+P312 P330 P302+P352 P321 P332+P313 P362 P304+P340 P312 P305+P351+P338  P337+P313	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. IF ON SKIN: Wash with soap and water. Specific treatments: See Section 4 First Aid Measures. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Storage	P403+P233 P405	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

Hazards not otherwise classified: Repeated/prolonged skin contact may cause skin defatting (dermatitis). Can be absorbed by skin.

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Name	CAS #	Concentration Range %
Resin	None known	Mixture	61 – 65
2-butyoxyethanol	Ethylene glycol monobutyl ether	111-76-2	4 – 8
Diethylene glycol monoethyl ether	Glycol Ether DE	111-90-0	0.5 – 2.5

## SECTION 4. FIRST AID MEASURES

**Eyes:** Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses and continue rinsing. Seek medical attention if irritation persists.

**Skin:** Wash with soap and water. Remove contaminated clothing and launder before reuse. If irritation persists, seek medical attention.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If breathing is difficult, have a trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration by way of pocket mask equipped with one-way valve or other proper respiratory device – Do NOT use mouth-to-mouth method if victim inhaled material. Call a physician.

Ingestion: DO NOT INDUCE VOMITING. Call a physician immediately. Rinse mouth. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

#### SECTION 5. FIRE-FIGHTING MEASURES

Flammability: Class IIIB Combustible Liquid

Flash Point: >200°F (>93°C)

Extinguishing Media: Foam, dry chemical, carbon dioxide fire extinguishers, water spray. Do not spray water directly on fire. Use water spray to cool containers.

Specific hazards arising from chemical: A pressure increase during a fire may cause container to burst.

Hazardous combustion products: Oxides of carbon, aldehydes and organic acids.

Firefighting protective equipment: Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

Sensitivity to static discharge: This product is not sensitive to static discharge.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Eliminate all ignition sources. Ventilate area. Avoid breathing fumes/mists/vapors/sprays. Wash thoroughly after handling.

For Small Spills: Avoid release to the environment. Spilled material may be slippery. Avoid dispersal of material and runoff into soil, waterways, drains and sewers. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Wash walking surfaces with water to reduce slipping hazard. Dispose of contaminated absorbent material in accordance with local, state and federal regulations.

For Large Spills: Large spills cannot occur due to packaging.

#### SECTION 7. HANDLING AND STORAGE

Handling: Use personal protective equipment (Section 8). Use only outdoors or in a well-ventilated area. Do not handle around sources of ignition. Do not premix with other chemicals. Avoid breathing fumes/mists/vapors/sprays. Avoid release to the environment. Empty containers may contain residue and can be dangerous. Do not eat, drink or smoke in work areas. Wash thoroughly after handling.

Storage: Keep away from heat, flame, or sunlight. Keep from freezing. Keep container tightly closed when not in use. Store locked up. Store in a well-ventilated place. Protect from physical damage. Avoid strong oxidizing agents, acids, alkalis, chlorates, chlorine, organic amines, aluminum, zinc, tin, copper and their alloys.

#### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
Resin	Mixture	Not determined	Not determined	Not determined
2-butoxyethanol	111-76-2	50ppm	20ppm	Not established
Diethylene glycol monoethyl ether	111-90-0	Not established	25ppm	Not established

Engineering Controls: Provide adequate ventilation. Observe occupational exposure limits and keep the risk of exposure to a minimum.

Personal protective equipment:

Eye: Safety glasses with side shields or splash proof goggles.

Skin: Chemical resistant (impervious) gloves. Normal materials handling clothing.

Respirator: Use NIOSH approved protection with organic vapor cartridge if vapors are causing irritation of if mists/spays are generated.

Other: Use only in a well ventilated area. Do not eat, drink or smoke while handling. Wash thoroughly after handling.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White, opaque liquid	Upper/Lower flammability limits	Not determined
Odor	Ammonia-like and butyl	Vapor pressure	Not determined
Odor threshold	Not determined	Vapor density (Air = 1)	Not determined
pH	8 – 9	Relative Density (water = 1.0)	1.025 g/ml
Melting point	Not determined	Solubility	Partially in water
Freezing point	Not determined	Partition coefficient	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	>212°F (>100°C)	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity, #3 @ 50rpm, Brookfield	1000 – 1400 cps
Flammability	Class IIIB Combustible	%Volatile/Volume	64

#### SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical stability: Stable under normal, ambient temperature and conditions.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Heat, flame and sparks. Keep from freezing. Do not mix with other chemicals

Incompatible materials: Avoid strong oxidizing agents, acids, alkalis, chlorates, chlorine, organic amines, aluminum, zinc, tin, copper and their alloys.

Hazardous combustion products: Oxides of carbon, aldehydes and organic acids.

#### SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity:

Oral (LD50 Rat): >5000mg/kg

Dermal (LD50 Rabbit): >5000mg/kg

Inhalation (LC50 Rat): Not determined  
Skin corrosion/irritation: Skin irritant. Symptoms may include reddening and itching. Repeated/prolonged skin contact may cause skin defatting (dermatitis).  
Serious eye damage/irritation: Serious eye irritant. Symptoms may include burning sensation, tearing and redness.  
Respiratory or skin sensitization: Inhalation of mists/vapors/sprays may cause irritation of respiratory tract. Symptoms may include coughing and difficulty breathing. May cause central nervous system depression. Symptoms may include headache, dizziness, nausea, euphoria, drowsiness and fatigue.  
Germ cell mutagenicity: No data available.  
Carcinogenicity: NTP/IARC/OSHA Carcinogen: Styrene #100-42-5 at 0.06% - ACGIH A4, IARC 2B and NTP Possible.  
Reproductive toxicity: Not available  
STOT-single exposure: Inhalation of mists/vapors/sprays may cause irritation of respiratory tract. Symptoms may include coughing and difficulty breathing. May cause drowsiness or dizziness.  
STOT-repeated exposure: not applicable  
Aspiration hazard: Aspiration into the lungs during vomiting may cause lung damage.  
Ingestion: Harmful if swallowed. Causes irritation/burning to the mouth, throat and gastrointestinal tract. Swallowing large amounts may cause central nervous system depression: headache, dizziness and gastrointestinal distress.  
Likely routes of exposure: Eyes, skin and inhalation  
Interactive effects: Not available

**SECTION 12. ECOLOGICAL INFORMATION**

Toxicity:  
 96h LC-50 (fish): 22 mg/l  
 48h EC-50 (invertebrates): 80 mg/l  
 48h LC-50 (algae): Not determined  
Persistence and degradability: Not available.  
Bioaccumulative potential: Not available.  
Mobility in soil: Soil mobility not determined. This product is partially soluble in water and may spread in water systems. This product is partially volatile and may spread in the atmosphere.  
Other adverse effects: Harmful to aquatic life with long-lasting effects – Avoid release to the environment.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal of Wastes: Do not dump into sewers, on the ground or into any waterways. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.  
Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied. Do not cut, drill, grind or weld on or near the container.  
RCRA: Not applicable.

**SECTION 14. TRANSPORT INFORMATION**

United States DOT:  
 Not regulated  
IATA and IMDG:  
 Not regulated  
 Marine Pollutant (IMDG Code): Not listed (49 CFR 172.101).  
 Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not offered in bulk for transport overseas.

**SECTION 15. REGULATORY INFORMATION**

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.  
SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.  
SARA TITLE III Section 311/312:

Immediate (Acute) Health	Yes	Fire Hazard	No
Delayed (Chronic) Health	No	Reactive Hazard	No

SARA Title 313: This material contains the following chemical components with known CAS numbers subject to reporting requirements (40 CFR 372): Ethylene Glycol Monobutyl Ether CAS# 111-76-2, % by wt. = 6%.  
CERCLA: This product does not have a reportable quantity.  
United States Right-To-Know: Ethylene Glycol Monobutyl Ether CAS# 111-76-2 - California, Massachusetts, Minnesota, New Jersey & Pennsylvania.  
Proposition 65: This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.  
RCRA: Not applicable.

**SECTION 16. OTHER INFORMATION**

Date Prepared: November 17, 2015  
 Hazard Ratings (HMIS): Health 1, Flammability 1, Reactivity 0 (Scale 0 – 4). Personal Protection Rating to be supplied by user based on use conditions.  
 Product VOC: 0%  
 Carefully read all instructions on label before handling this product.  
 Keep out of reach of children.  
 "FOR INDUSTRIAL USE ONLY"

Abbreviation	Full Name/Explanation
ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CNS	Central Nervous System
CFR	Code of Federal Regulations
DOT	Department of Transportation
EC	Effective Concentration
HMIS	Hazardous Material Information System
LC	Lethal Concentration
LD	Lethal Dose
NA	Not Applicable
ND	Not Determined
NE	Not Established
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation Recovery Act
SARA	Superfund Amendments and Reauthorization Act
STEL	Short-Term Exposure Limit
STOT	Specific Target Organ Toxicity
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
VOC	Volatile Organic Compounds

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.

SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91, 173.310.