

# LOSOREA

313 Bell Park Drive  
Woodstock, GA 30188  
Phone: 678-494-1112  
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Date: 04/01/09

## MATERIAL SAFETY DATA SHEET

### WATER BASED URETHANE

#### SECTION 1

**PRODUCT NAME:** WATER BASED URETHANE  
**CAS NUMBER:** MIXTURE  
**Generic Description:** COATING  
**Manufacturer:** Losorea  
313 Bell Park Drive  
Woodstock, GA. 30188 USA  
**EMERGENCY TELEPHONE:** CHEMTREC 1-800-424-9300  
General Assistance 678-494-1112  
MSDS Assistance 678-494-1112

#### SECTION 2- Hazardous Ingredients

INGREDIENT	CAS #	%by Weight	OSHA PEL	TLV	OSHA STEL
Methylal	109-87-5	20-30%		1000ppm	
Ethanol	64-17-5	5-15%		1000ppm	
2-butoxyethanol	11-76-2	5-15%	25ppm (Skin)	25ppm (Skin)	
Dimethyl Ether	115-10-6	25-35%		1000ppm	

#### SECTION 3- Physical Data

**APPEARANCE:** Liquid  
**BOILING PT:** Approx. 212F  
**ODOR:** Sweet Ether odor.  
**Evaporation Rate:** (nBuAc= 1) : <1  
**SPECIFIC GRAVITY:** .Approx.0.678  
**COLOR:** Brown  
**SOLUBILITY IN WATER:** Soluble  
**%VOLITILES:** 81.92%  
**VOC Content:** 71.52%

#### SECTION 4- Fire & Explosion Data

**Flash Point (T.C.C.) Propellant:**-42F  
**Flash Point (T.C.C.) Concentrate:** Approx. -60F  
**EXPLOSION LIMITS: Concentrate:** lel: N/E uel: N/E Propellant: lel: 3.4% uel: 18%  
**SPECIAL FIREFIGHTING PROCEDURES:**  
Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.  
**UNUSUAL FIRE & EXPLOSION HAZARDS: Propellant:** Vapors are heavier than air and may travel along the ground or may be moved by ventilation systems and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. **Concentrate:** N/A.  
**EXTINGUISHING MEDIA:** Dry chemical, Carbon Dioxide, or Foam is recommended. Water spray is recommended to cool or protect exposed materials or structures.

#### SECTION 5- Health Hazard Data

**Inhalation:** Inhalation of vapors may cause central nervous system damage. Vapor may produce anesthetic effects and feeling of euphoria.

**FIRST AID:**

**Ingestion-** Aspiration hazard. Do not induce vomiting or give anything by mouth. **Inhalation:** If respiratory symptoms or other symptoms of exposure develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek immediate medical attention. **Skin:** Remove contaminated clothing and flush affected area with large amounts of water. IF skin surface is damaged, apply a clean dressing and seek medical attention. **Eye:** Immediately flush eyes with plenty of water for at least 15 min., Get Medical attention immediately.

**Potential Health Effects: Eye:** Eye irritant. **Skin:** Skin irritant. **Inhalation:** Low degree of toxicity by inhalation. **Ingestion:** Low degree of toxicity by ingestion.

## SECTION 6- Reactivity Data

This product is stable. Hazardous polymerization will not occur. Avoid excessive heat and sources of ignition, strong acids and oxidizers.

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products. Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde

## SECTION 7- Spill Protection Information

**Spill:** Stop at the source, contain material by collecting into a salvage tank or by using an inert absorbent.

**Waste Disposal Method:** Dispose of this product in accordance with local, state, and federal regulations.

## SECTION 8- Material Handling Data

Always wear chemical safety glasses or goggles recommended by OSHA for use with any chemicals. Neoprene gloves are recommended for skin protection. Use adequate ventilation. If necessary use OSHA/NIOSHA approved respirators. DO NOT store at temperatures over 120F°.

## SECTION 9- Additional Regulatory Information

SARA TITLE III SECTION 313:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and 40 CFR 372:

Component	CAS#
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**PROP 65 (CARCINOGEN)**

**This product contains no PROP 65 chemicals.**

**HEALTH- 1**

**FLAMMABILITY- 3**

**REACTIVITY- 0**

The information in this MATERIAL SAFETY DATA SHEET is pursuant to 29 CFR 1910.1200 to convey information concerning the hazardous nature of this product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all direction and warnings on the label be read and understood.

## SECTION 10- Transportation Information

D.O.T. Proper Shipping Name:

Consumer Commodity

Hazard Class:

ORM-D

UN Number:

2.1, UN1950, LTD QTY