



## MATERIAL SAFETY DATA SHEET

WATERTHANE 901 Water-Based 100% Urethane

MSDS Ref. No: f-00258001  
Date Prepared: 03/17/2003  
Date Revised: 03/25/2003

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME/USE:** WATERTHANE 901 Water-Based 100% Urethane

**MSDS CODE:** 3044181

**PRODUCT CODE:** 7080250

#### MANUFACTURER

Magee  
67 Forest Street  
Marlborough, MA 01752

**Telephone Number:** 1-800-786-2433  
**Emergency Telephone (24 hours):** 1-800-228-5635  
**CHEMTREC (U.S./Can.):** 800-424-9300  
**CHEMTREC (Int'l):** +1 703-527-3887

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT(S)</u>	<u>CAS#</u>	<u>% BY WEIGHT</u>
Polyurethane	NA	10 - 25
N-Methyl-2-pyrrolidone	872-50-4	5 - 7
Dipropylene glycol monomethyl ether	34590-94-8	3 - 5
Dipropylene glycol butoxy ether	29911-28-2	1 - 3

See Section 8 for Exposure Limits    NA - Not Applicable

**OSHA REGULATORY STATUS:** This product is classified as hazardous under OSHA regulations.

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Slightly Opaque, White Liquid . Sweet Odor. May Cause Eye Irritation.

**POTENTIAL HEALTH EFFECTS** (See Section 11 for Toxicological Information)

PRIMARY ROUTE(S) OF EXPOSURE:  Eye       Skin Contact     Skin Absorption  
 Inhalation       Ingestion

#### EFFECTS OF ACUTE EXPOSURE

**EYES:** May cause mild eye irritation. Symptoms may include redness and tearing.

**SKIN:** May cause mild skin irritation. Symptoms may include redness.

**INHALATION:** High concentrations of vapor or mist may cause nose, throat and respiratory tract irritation. Symptoms may include coughing.

**INGESTION:** May cause mouth, throat and stomach irritation. Symptoms may include nausea, vomiting and diarrhea.

**EFFECTS OF CHRONIC EXPOSURE:** Prolonged or repeated contact can cause defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**MEDICAL CONDITIONS AGGRAVATED:** May aggravate pre-existing eye, skin and respiratory conditions. Persons suffering from asthma may react to vapors.

#### 4. FIRST AID MEASURES

**EYES:** Flush eyes with plenty of water while holding eyelids apart. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not put any medication in the victim's eyes unless instructed by a physician. Get medical attention.

**SKIN:** Flush thoroughly with plenty of water, then wash with soap and water. Remove saturated clothing. Get medical attention if irritation develops or persists. Thoroughly wash (or discard) clothing and shoes before reuse.

**INHALATION:** Remove to fresh air. If not breathing, give respiration; if breathing is difficult, give oxygen (by trained personnel only). Get medical attention if symptoms persist.

**INGESTION:** Do not induce vomiting. Drink large quantities of water. Get immediate medical attention. Never give anything by mouth to an unconscious person.

#### 5. FIRE FIGHTING MEASURES

**FLASH POINT AND METHOD:** 92.7°C (199°F)TCC

**FLAMMABLE LIMITS** Not Applicable

**EXTINGUISHING MEDIA:** Water spray, ABC dry chemical and protein type air foams are effective. Carbon dioxide may be ineffective on larger fires.

**HAZARDOUS COMBUSTION PRODUCTS:** Normal products of combustion (carbon monoxide and carbon dioxide) and nitrogen oxides.

**FIRE AND EXPLOSION HAZARDS:** Class IIIA combustible liquid. This product is combustible and may be ignited by heat, flames and other ignition sources.

**FIRE FIGHTING INSTRUCTIONS:** Evacuate area. Cool containers exposed to fire with water. MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear should be worn.

**AUTOIGNITION TEMPERATURE:** Not Applicable.

#### 6. ACCIDENTAL RELEASE MEASURES

See Section 8, Exposure Controls/Personal Protection and Section 3, Hazard Identification. Floors may be slippery. Use care to avoid falling. Ventilate spill area. Contain and isolate spill. Keep non-essential personnel from entering spill area. Use mop, absorbent, or wet vacuum to collect material for proper disposal. Rinse area with water.

#### 7. HANDLING AND STORAGE

**HANDLING:** Follow label use directions. Do not mix with other chemicals unless instructed by label directions. Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Avoid breathing vapor or mist. Wash thoroughly after handling. Remove contaminated clothing. Wash clothing and equipment before reuse.

**STORAGE:** Keep container closed when not in use. Keep from freezing. Store away from incompatible materials. (See Section 10, Stability and Reactivity).

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**EYE:** Where eye contact is possible, wear safety glasses with side shields or chemical splash goggles (ANSI Z87.1 approved).

**SKIN:** Where prolonged or repeated contact is possible, chemical-resistant clothing (e.g., gloves) is recommended.

**RESPIRATORY:** No respiratory protection is required if general room ventilation is adequate and airborne concentrations are kept below exposure limits. When exposure limits are exceeded, use appropriate respiratory protection (NIOSH/MSHA) to prevent overexposure.

**ENGINEERING CONTROLS:** Good general room ventilation is expected to be adequate. Local exhaust ventilation (e.g., fans) may be necessary when general ventilation does not keep airborne concentrations below exposure limits. The American Industrial Hygiene Association (AIHA) have established a workplace exposure level of 10ppm (TWA) for n-methyl-2-pyrrolidone.

**EXPOSURE LIMITS:**

<u>INGREDIENT(S)</u>	<u>OSHA PEL/STEL</u>	<u>ACGIH TLV/STEL</u>
Polyurethane	NA	NA
N-Methyl-2-pyrrolidone	NA	NA
Dipropylene glycol monomethyl ether	100 ppm 600 mg/m3 / 150 ppm Skin	100 ppm 606 mg/m3 / 150 ppm Skin
Dipropylene glycol butoxy ether	NA	NA

NA - Not Available

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid  
**ODOR:** Sweet  
**APPEARANCE:** Slightly Opaque, White  
**pH:** 7 to 9  
**PERCENT VOLATILE BY WEIGHT:** 75  
**VAPOR PRESSURE:** Not Available  
**VAPOR DENSITY:** Not Available  
**BOILING POINT:** Not Available  
**SOLUBILITY IN WATER:** Dispersible  
**EVAPORATION RATE:** Not Available  
**SPECIFIC GRAVITY:** 1.03  
**VISCOSITY:** 5 to 25cps  
**(VOC):** 356 g/l  
**(VOC) NOTES:** VOC content less than 350g/l when mixed with Crosslinker.  
**OCTANOL/WATER PARTITION COEFFICIENT:** Not Available  
**ODOR THRESHOLD:** Not Available

**10. STABILITY AND REACTIVITY**

**STABILITY (CONDITIONS TO AVOID):** Stable.  
**POLYMERIZATION:** Will not occur.  
**HAZARDOUS DECOMPOSITION:** None known.  
**INCOMPATIBLE MATERIALS:** Strong acids (e.g., hydrochloric).

**11. TOXICOLOGICAL INFORMATION**

**ACUTE DATA:** No data is available for this product. The following data are available for product ingredients:

<u>PRODUCT/INGREDIENT</u>	<u>ORAL LD<sub>50</sub> (rat)</u>	<u>DERMAL LD<sub>50</sub> (rabbit)</u>	<u>INHALATION LC<sub>50</sub> (rat)</u>
Polyurethane	Not Available	Not Available	Not Available
N-Methyl-2-pyrrolidone	3914 - mg/kg	2200 - 4000 mg/kg	5100 - mg/m3 (4-hr)
Dipropylene glycol monomethyl ether	5135 - mg/kg	9500 - mg/kg	Not Available
Dipropylene glycol butoxy ether	3700 - 4400 mg/kg	>2000 - mg/kg	Not Available

**SENSITIZATION DATA:** No data available.

**CHRONIC DATA:**

Prolonged overexposure to dipropylene glycol monomethyl ether by inhalation has caused minor liver effects in laboratory animals; overexposure by dermal absorption has also caused minor kidney effects in laboratory animals.

**REPRODUCTIVE/TERATOGENIC DATA:** Prolonged overexposure to high concentrations of n-methyl-2-pyrrolidone by inhalation, ingestion or by the dermal route has caused reproductive and teratogenic effects in laboratory animals

**CARCINOGENIC/MUTAGENIC DATA:** Not listed as carcinogenic by NTP, IARC, or ACGIH or regulated as a carcinogen by OSHA.

**12. ECOLOGICAL INFORMATION**

No data available.

**13. DISPOSAL CONSIDERATIONS**

Disposal of this material should be in accordance with local, state or provincial and federal regulations. The unused product, as manufactured, is a RCRA non-hazardous waste in accordance with 40 CFR 261. The product has not been evaluated by the Toxicity Characteristic Leachate Procedure (TCLP). According to RCRA, it is the responsibility of the waste generator to ensure proper disposal.

**14. TRANSPORT INFORMATION**

**DOT/TDG HAZARDOUS MATERIAL DESCRIPTION:** Not regulated

**15. REGULATORY INFORMATION**

*Not meant to be all-inclusive---selected regulations represented.*

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Under 40 CFR 370.2, this product meets the following hazard categories: Immediate, Delayed, Fire.

**313 REPORTABLE INGREDIENTS:** n-Methyl-2-pyrrolidinone is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** Not reportable under CERCLA.

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA STATUS:** This product complies with all TSCA inventory requirements.

**CALIFORNIA PROPOSITION 65:** This product contains n-methyl-2-pyrrolidone known to the State of California to cause birth defects or other reproductive harm.

**MASSACHUSETTS, NEW JERSEY, PENNSYLVANIA RIGHT-TO-KNOW:**

<u>INGREDIENT(S)</u>	<u>CAS NO.</u>	<u>STATE LISTING</u>
Water	7732-18-5	Not Listed
Polyurethane	NA	Not Listed
N-Methyl-2-pyrrolidone	872-50-4	MA, PA
Dipropylene glycol monomethyl ether	34590-94-8	MA, NJ, PA
Dipropylene glycol butoxy ether	29911-28-2	Not Listed

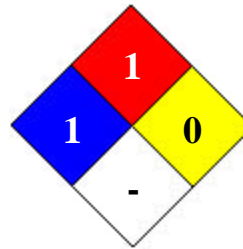
NA - Not Applicable

**16. OTHER INFORMATION**

**HMIS RATING**

<b>HEALTH</b>	*	<b>1</b>
<b>FLAMMABILITY</b>		<b>1</b>
<b>REACTIVITY</b>		<b>0</b>
<b>PERSONAL PROTECTION</b>		-

**NFPA CODES:**



**APPROVED BY:** Product Safety & Regulatory

**MSDS STATUS**

**Revision No:** 2

Revision #: 2

This MSDS replaces the March 24, 2003 MSDS. Any changes in information are as follows:

In Section 15

Proposition 65 Statement

**APPROVAL DATE:** 03/25/2003

*The information on this data sheet represents our current data and best opinion as to the proper use in handling of the product under normal foreseeable conditions. Any use of this product which is not in conformance with this data sheet or product label, or which involves using the product in combination with any other product or any other process is the responsibility of the user.*