

**Safety Data Sheet**

according to Federal Register / Col. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision Date: 2/25/2015

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product Identifier**

Product Form : Mixture  
Product Name : Millennium  
Product Code : 1111

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Use of the substance/mixture : Floor Coatings & Finishing Materials

**1.3 Details of the supplier of the safety data sheet**

Twi-Laq Industries, Inc.  
1345 Seneca Avenue  
Bronx, NY 10474  
T (718) 638-5860

**1.4 Emergency telephone number**

Emergency number : CHEM-TREC 1-800-424-9300

**SECTION 2: Hazards Identification****2.1 Classification of the substance or mixture****Classification (GHS-US)**

Not Classified

**2.2 Label Elements****GHS-US labeling**

No Labeling Applicable

**2.3 Other Hazards**

No additional information available

**2.4 Unknown Acute Toxicity**

No Data Available

**SECTION 3: Composition / Information on Ingredients****3.1 Substance**

Not Applicable

**3.2 Mixture**

Name	Product Identifier	%	Classification (GHS-US)
Diethylene Glycol Monoethyl Ether	(CAS No.) 111-90-0	1 - 5	Eye Irrit. 2A, H319

**SECTION 4: First Aid Measures****4.1 Description of First Aid measures**

First Aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show label where possible)

First Aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.

First Aid measures after skin contact : Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse.

First Aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

First Aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

**4.2 Most important symptoms and effects, both acute and delayed**

Symptoms / injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

**4.3 Indication of any immediate medical attention and special treatment needed**

No additional information available

**SECTION 5: Firefighting Measures****5.1 Extinguishing Media**

Suitable extinguishing media : Foam. Dry powder. Carbon Dioxide. Water spray. Sand.  
Unsuitable extinguishing media : Do not use a heavy water stream

**5.2 Special hazards arising from the substance or mixture**

No additional information available

**5.3 Advice for firefighters**

Firefighting Instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

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**SECTION 6: Accidental Release Measures****6.1 Personal precautions, protective equipment and emergency procedures**

6.1.1	For non-emergency personnel	
Emergency Procedures		: Evacuate unnecessary personnel
6.1.2	For emergency responders	
Protective Equipment		: Equip cleanup crew with proper ventilation
Emergency Procedures		: Ventilate area

**6.2 Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

**6.3 Methods and material for containment and cleaning up**

Methods for cleaning up.		: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
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**6.4 Reference to other sections**

See Heading 8. Exposure controls and personal protection.

**SECTION 7: Handling and Storage****7.1 Precautions for safe handling**

Precautions for safe handling		: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.
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**7.2 Conditions for safe storage, including any incompatibilities**

Storage conditions		: Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.
Incompatible products		: Strong bases. Strong acids.
Incompatible Materials		: Sources of ignition. Direct sunlight.

**7.3 Specific end use(s)**

No additional information available

**SECTION 8: Exposure controls / personal protection****8.1 Control parameters**

No additional information available

**8.2 Exposure controls**

Personal Protective Equipment		: Avoid all unnecessary exposure
Hand Protection		: Protective gloves
Eye Protection		: Chemical goggles or safety glasses
Respiratory Protection		: Wear appropriate mask.
Other Information		: Do not eat, drink or smoke during use.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Physical state		: Liquid
Color		: Milky White
Odor		: Acrylic
Odor threshold		: No data available
pH		: 8.1 (±0.5)
Evaporation rate (butyl acetate=1)		: No data available
Melting Point		: No data available
Freezing Point		: No data available
Boiling Point		: 212°F - 220°F
Flash Point		: ≥ 200°F
Auto-ignition temperature		: No data available
Decomposition temperature		: No data available
Flammability (solid, gas)		: No data available
Vapor Pressure		: No data available
Relative vapor density @ 20°C		: Equivalent to water
Relative density		: 1.03
Solubility		: Soluble in Water
Log Pow		: No data available
Log Kow		: No data available
Viscosity, kinematic		: No data available
Viscosity, dynamic		: No data available

Explosive Properties : No data available  
 Oxidizing Properties : No data available  
 Explosive Limits : No data available

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### SECTION 10: Stability and Reactivity

#### 10.1 Reactivity

No additional information available

#### 10.2 Chemical Stability

Stable under normal Conditions

#### 10.3 Possibility of hazardous reactions

Not established

#### 10.4 Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

#### 10.5 Incompatible materials

Strong Acids. Strong bases.

#### 10.6 Hazardous decomposition products

Fume. Carbon Monoxide. Carbon Dioxide.

### SECTION 11: Toxicological Information

#### 11.1 Information on toxicological effects

Acute Toxicity : Not classified

Diethylene Glycol Monoethyl Ether (111-90-0)	
LD50 oral rat	5445 mg/kg (Rat)
LD50 dermal rat	5940 mg/kg (Rat)
LD50 dermal rabbit	>5000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	>5.2 mg/l/4h (Rat)
ATE US (oral)	5445.00000000 mg/kg body weight
ATE US (dermal)	5940.00000000 mg/kg body weight

Skin corrosion / irritation : Not classified (pH 8)  
 Serious eye damage / irritation : Not classified (pH 8)  
 Respiratory or skin sensitization : Not classified  
 Germ cell mutagenicity : Not classified  
 Carcinogenicity : Not classified  
 Reproductive Toxicity : Not classified  
 Specific target organ toxicity (single exposure) : Not classified  
 Specific target organ toxicity (repeated exposure) : Not classified  
 Aspiration hazard : Not classified  
 Potential Adverse human health effects and symptoms : Based on available date, the classification criteria are not met.

### SECTION 12: Ecological Information

#### 12.1 Toxicity

Diethylene Glycol Monoethyl Ether (111-90-0)	
LC50 fish 1	12900 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); Flow-through system)
EC50 Daphnia 1	3940 mg/l (48 h; Daphnia magna)
EC50 other aquatic organisms 1	10661 mg/l (Echinoidea; Growth)
LC50 fish 2	9650 mg/l (96 h; Pimephales promelas; Flow-through system)

#### 12.2 Persistence and degradability

Millennium	
Persistence and degradability	Not established

Diethylene Glycol Monoethyl Ether (111-90-0)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.20 g O2 /g substance
Chemical oxygen demand (COD)	1.85 g O2 /g substance
ThOD	1.9078849 g O2 /g substance
BOD (% of ThOD)	0.11 % ThOD

#### 12.3 Bioaccumulative potential

Millennium	

Bioaccumulative potential	Not established
<b>Diethylene Glycol Monoethyl Ether (111-90-0)</b>	
Log Pow	-1.19 - 0.08
Bioaccumulative potential	Bioaccumulation: not applicable

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#### 12.4 Mobility in Soil

<b>Diethylene Glycol Monoethyl Ether (111-90-0)</b>	
Surface tension	0.032 N/m (25°C)

#### 12.5 Other adverse effects

Effect on ozone layer : No additional information available  
 Effect on the global warming : No known ecological damage caused by this product  
 Other information : Avoid release to the environment

### SECTION 13: Disposal Considerations

#### 13.1 Waste Treatment Methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local, state, and federal regulations.  
 Ecology - Waste materials : Avoid release to the environment

### SECTION 14: Transport Information

In accordance with DOT  
 Not regulated for transport

#### Additional Information

Other Information : No supplementary information available

#### ADR

Transport document description :

**Transport by sea** : No additional information available

**Air transport** : No additional information available

### SECTION 15: Regulatory Information

#### 15.1 US Federal Regulations

No additional information available

#### 15.2 International Regulations

##### CANADA

No additional information available

##### EU Regulations

No additional information available

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

**Classification according to Directive 67/548/EEC [DSD] or 1999/44/EC [DPD]**

Not Classified

#### 15.2.2 National Regulations

No additional information available

### SECTION 16: Other Information

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Other Information : None

#### Full text of H-phrases

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
H319	Causes serious eye irritation

#### HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : B

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OTHER NATURE, ARE MADE WITH RESPECT TO INFORMATION CONCERNING THE PRODUCT REFERRED TO IN THIS MATERIAL SAFETY DATA SHEET.**

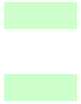
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The goal of defining precisely, in measurable terms, every possible health effect that may occur in the workplace as a result of chemical exposures cannot realistically be accomplished. The information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof. Twi-Laq Industries, Inc., however, makes no representations as to the completeness or accuracy thereof, and information is supplied upon the express condition that the persons receiving the same will be required to make their own determination as to its suitability for purposes prior to use. In no event will Twi-Laq Industries, Inc. be responsible for any damages of any nature whatsoever resulting from the use of, reliance upon, or the misuse of this information. This information as supplied herein is simply to be informative and intended solely to alert the user of the substance which is the subject matter of this Material Safety Data Sheet. The ultimate compliance with federal, state and local regulations concerning the use or disposal of this compound, or compliance with respect to products liability, rests solely upon the purchaser thereof.

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