



# LENMAR<sup>®</sup>

## SAFETY DATA SHEET

Revision Date: 05-Jun-2019

Revision Number: 4

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** AQUA-PLASTIC WATERBORNE URETHANE DULL FLAT CLEAR  
**Product Code** 1WB-1420, 3000961  
**Alternate Product Code** TE6600, TE6699  
**SAP Material Number** NA, 3000961  
**Product Class** Water thinned paint  
**Color** Clear  
**Recommended use** Topcoat  
**Restrictions on use** No information available

**Manufacturer**  
Benjamin Moore & Co.  
101 Paragon Drive  
Montvale, NJ 07645  
Phone: 1-866-708-9180  
lenmar-coatings.com

**Emergency Telephone**  
CHEMTREC (US): 800-424-9300  
CHEMTREC (outside US): (703)-527-3887

### 2. HAZARDS IDENTIFICATION

#### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Reproductive toxicity

Category 1B

#### Label elements

**Danger**

#### **Hazard statements**

May damage fertility or the unborn child



**Appearance** liquid

**Odor** little or no odor

**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other information**

No information available

**3. COMPOSITION INFORMATION ON COMPONENTS**

| Chemical name                                                             | CAS No.    | Weight-%  |
|---------------------------------------------------------------------------|------------|-----------|
| Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol | 25265-77-4 | 1 - 5     |
| Diethylene glycol monomethyl ether                                        | 111-77-3   | 1 - 5     |
| Propylene glycol                                                          | 57-55-6    | 1 - 5     |
| 1-Methyl-2-pyrrolidinone                                                  | 872-50-4   | 1 - 5     |
| Dibutyl phthalate                                                         | 84-74-2    | 0.5 - 1   |
| Ammonia                                                                   | 7664-41-7  | 0.1 - 0.5 |

**4. FIRST AID MEASURES**

|                                        |                                                                                                       |
|----------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>General Advice</b>                  | No hazards which require special first aid measures.                                                  |
| <b>Eye Contact</b>                     | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.                |
| <b>Skin Contact</b>                    | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. |
| <b>Inhalation</b>                      | Move to fresh air. If symptoms persist, call a physician.                                             |
| <b>Ingestion</b>                       | Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.        |
| <b>Most Important Symptoms/Effects</b> | None known.                                                                                           |
| <b>Notes To Physician</b>              | Treat symptomatically.                                                                                |

## 5. FIRE-FIGHTING MEASURES

|                                                              |                                                                                                                                        |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable Extinguishing Media</b>                          | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                                |
| <b>Protective equipment and precautions for firefighters</b> | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |
| <b>Specific Hazards Arising From The Chemical</b>            | Closed containers may rupture if exposed to fire or extreme heat.                                                                      |
| <b>Sensitivity to mechanical impact</b>                      | No                                                                                                                                     |
| <b>Sensitivity to static discharge</b>                       | No                                                                                                                                     |
| <b>Flash Point Data</b>                                      |                                                                                                                                        |
| Flash point (°F)                                             | Not applicable                                                                                                                         |
| Flash Point (°C)                                             | Not applicable                                                                                                                         |
| Method                                                       | Not applicable                                                                                                                         |
| <b>Flammability Limits In Air</b>                            |                                                                                                                                        |
| Lower flammability limit:                                    | Not applicable                                                                                                                         |
| Upper flammability limit:                                    | Not applicable                                                                                                                         |

**NFPA**    Health: 2                      Flammability: 0                      Instability: 0                      Special: Not Applicable

### NFPA Legend

- 0 - Not Hazardous
- 1 - Slightly
- 2 - Moderate
- 3 - High
- 4 - Severe

*The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.*

*Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at [www.nfpa.org](http://www.nfpa.org).*

## 6. ACCIDENTAL RELEASE MEASURES

|                                  |                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------|
| <b>Personal Precautions</b>      | Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.                          |
| <b>Other Information</b>         | Prevent further leakage or spillage if safe to do so.                                             |
| <b>Environmental precautions</b> | See Section 12 for additional Ecological Information.                                             |
| <b>Methods for Cleaning Up</b>   | Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. |

## 7. HANDLING AND STORAGE

|                 |                                                                                    |
|-----------------|------------------------------------------------------------------------------------|
| <b>Handling</b> | Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or |
|-----------------|------------------------------------------------------------------------------------|

sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

**Storage** Keep container tightly closed. Keep out of the reach of children.

**Incompatible Materials** No information available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Limits

| Chemical name     | ACGIH TLV                     | OSHA PEL                                   |
|-------------------|-------------------------------|--------------------------------------------|
| Dibutyl phthalate | 5 mg/m <sup>3</sup> - TWA     | 5 mg/m <sup>3</sup> - TWA                  |
| Ammonia           | 25 ppm - TWA<br>35 ppm - STEL | 50 ppm - TWA<br>35 mg/m <sup>3</sup> - TWA |

### Legend

ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits  
OSHA - Occupational Safety & Health Administration Exposure Limits  
N/E - Not Established

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

### Personal Protective Equipment

**Eye/Face Protection** Safety glasses with side-shields.  
**Skin Protection** Protective gloves and impervious clothing.  
**Respiratory Protection** In case of insufficient ventilation wear suitable respiratory equipment.

**Hygiene Measures** Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                   |                          |
|-----------------------------------|--------------------------|
| <b>Appearance</b>                 | liquid                   |
| <b>Odor</b>                       | little or no odor        |
| <b>Odor Threshold</b>             | No information available |
| <b>Density (lbs/gal)</b>          | 8.6 - 8.7                |
| <b>Specific Gravity</b>           | 1.03 - 1.05              |
| <b>pH</b>                         | No information available |
| <b>Viscosity (cps)</b>            | No information available |
| <b>Solubility(ies)</b>            | No information available |
| <b>Water solubility</b>           | No information available |
| <b>Evaporation Rate</b>           | No information available |
| <b>Vapor pressure</b>             | No information available |
| <b>Vapor density</b>              | No information available |
| <b>Wt. % Solids</b>               | 25 - 35                  |
| <b>Vol. % Solids</b>              | 20 - 30                  |
| <b>Wt. % Volatiles</b>            | 65 - 75                  |
| <b>Vol. % Volatiles</b>           | 70 - 80                  |
| <b>VOC Regulatory Limit (g/L)</b> | < 350                    |
| <b>Boiling Point (°F)</b>         | 212                      |
| <b>Boiling Point (°C)</b>         | 100                      |
| <b>Freezing point (°F)</b>        | 32                       |

|                                |                          |
|--------------------------------|--------------------------|
| Freezing Point (°C)            | 0                        |
| Flash point (°F)               | Not applicable           |
| Flash Point (°C)               | Not applicable           |
| Method                         | Not applicable           |
| Flammability (solid, gas)      | Not applicable           |
| Upper flammability limit:      | Not applicable           |
| Lower flammability limit:      | Not applicable           |
| Autoignition Temperature (°F)  | No information available |
| Autoignition Temperature (°C)  | No information available |
| Decomposition Temperature (°F) | No information available |
| Decomposition Temperature (°C) | No information available |
| Partition coefficient          | No information available |

## 10. STABILITY AND REACTIVITY

|                                    |                                          |
|------------------------------------|------------------------------------------|
| Reactivity                         | Not Applicable                           |
| Chemical Stability                 | Stable under normal conditions.          |
| Conditions to avoid                | Prevent from freezing.                   |
| Incompatible Materials             | No materials to be especially mentioned. |
| Hazardous Decomposition Products   | None under normal use.                   |
| Possibility of hazardous reactions | None under normal conditions of use.     |

## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Information on likely routes of exposure

**Principal Routes of Exposure** Eye contact, skin contact and inhalation.

#### Acute Toxicity

**Product Information** No information available

#### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

|                             |                                                                                                              |
|-----------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Eye contact</b>          | May cause slight irritation.                                                                                 |
| <b>Skin contact</b>         | Substance may cause slight skin irritation. Prolonged or repeated contact may dry skin and cause irritation. |
| <b>Inhalation</b>           | May cause irritation of respiratory tract.                                                                   |
| <b>Ingestion</b>            | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.                              |
| <b>Sensitization</b>        | No information available                                                                                     |
| <b>Neurological Effects</b> | No information available.                                                                                    |
| <b>Mutagenic Effects</b>    | No information available.                                                                                    |

|                                 |                                           |
|---------------------------------|-------------------------------------------|
| <b>Reproductive Effects</b>     | May damage fertility or the unborn child. |
| <b>Developmental Effects</b>    | No information available.                 |
| <b>Target organ effects</b>     | No information available.                 |
| <b>STOT - single exposure</b>   | No information available.                 |
| <b>STOT - repeated exposure</b> | No information available.                 |
| <b>Other adverse effects</b>    | No information available.                 |
| <b>Aspiration Hazard</b>        | No information available                  |

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

|                                      |             |
|--------------------------------------|-------------|
| <b>ATEmix (oral)</b>                 | 31230 mg/kg |
| <b>ATEmix (dermal)</b>               | 19997 mg/kg |
| <b>ATEmix (inhalation-dust/mist)</b> | 123 mg/L    |

**Component Information**

| Chemical name                                                                           | Oral LD50            | Dermal LD50                                    | Inhalation LC50          |
|-----------------------------------------------------------------------------------------|----------------------|------------------------------------------------|--------------------------|
| Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol<br>25265-77-4 | = 3200 mg/kg ( Rat ) | > 15200 mg/kg ( Rat )                          | > 3.55 mg/L ( Rat ) 6 h  |
| Diethylene glycol monomethyl ether<br>111-77-3                                          | = 4 mL/kg ( Rat )    | = 650 mg/kg ( Rabbit ) = 2500 µL/kg ( Rabbit ) | -                        |
| Propylene glycol<br>57-55-6                                                             | = 20 g/kg ( Rat )    | = 20800 mg/kg ( Rabbit )                       | -                        |
| 1-Methyl-2-pyrrolidinone<br>872-50-4                                                    | = 3914 mg/kg ( Rat ) | = 8 g/kg ( Rabbit )                            | = 3.1 mg/L ( Rat ) 4 h   |
| Dibutyl phthalate<br>84-74-2                                                            | = 7499 mg/kg ( Rat ) | > 20 mL/kg ( Rabbit )                          | > 15.68 mg/L ( Rat ) 4 h |
| Ammonia<br>7664-41-7                                                                    | = 350 mg/kg ( Rat )  | -                                              | = 2000 ppm ( Rat ) 4 h   |

**Carcinogenicity**

*There are no known carcinogenic chemicals in this product above reportable levels.*

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity Effects**

The environmental impact of this product has not been fully investigated.

**Product Information**

**Acute Toxicity to Fish**

No information available

**Acute Toxicity to Aquatic Invertebrates**

No information available

**Acute Toxicity to Aquatic Plants**

No information available

**Persistence / Degradability**

No information available.

**Bioaccumulation**

There is no data for this product.

**Mobility in Environmental Media**

No information available.

**Ozone**

No information available

**Component Information**

**Acute Toxicity to Fish**

Propylene glycol

LC50: 710 mg/L (Fathead Minnow - 96 hr.)

**Acute Toxicity to Aquatic Invertebrates**

Propylene glycol

EC50: > 10000 mg/L (Daphnia magna - 24 hr.)

**Acute Toxicity to Aquatic Plants**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method**

Dispose of in accordance with federal, state, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

**14. TRANSPORT INFORMATION**

DOT Not regulated

ICAO / IATA Not regulated

IMDG / IMO Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA: United States**

Yes - All components are listed or exempt.

**DSL: Canada**

Yes - All components are listed or exempt.

**Federal Regulations**

**SARA 311/312 hazardous categorization**

|                                   |     |
|-----------------------------------|-----|
| Acute health hazard               | No  |
| Chronic Health Hazard             | Yes |
| Fire hazard                       | No  |
| Sudden release of pressure hazard | No  |
| Reactive Hazard                   | No  |

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| <u>Chemical name</u>               | <u>CAS No.</u> | <u>Weight-%</u> | <u>CERCLA/SARA 313<br/>(de minimis concentration)</u> |
|------------------------------------|----------------|-----------------|-------------------------------------------------------|
| Diethylene glycol monomethyl ether | 111-77-3       | 1 - 5           | 1.0                                                   |
| 1-Methyl-2-pyrrolidinone           | 872-50-4       | 1 - 5           | 1.0                                                   |

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product contains the following HAPs:

| <u>Chemical name</u>               | <u>CAS No.</u> | <u>Weight-%</u> | <u>Hazardous Air Pollutant<br/>(HAP)</u> |
|------------------------------------|----------------|-----------------|------------------------------------------|
| Diethylene glycol monomethyl ether | 111-77-3       | 1 - 5           | Listed                                   |
| Dibutyl phthalate                  | 84-74-2        | 0.5 - 1         | Listed                                   |

**US State Regulations**

**California Proposition 65**

 **WARNING:** Cancer and Reproductive Harm– [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

**State Right-to-Know**

| <u>Chemical name</u>               | <u>Massachusetts</u> | <u>New Jersey</u> | <u>Pennsylvania</u> |
|------------------------------------|----------------------|-------------------|---------------------|
| Diethylene glycol monomethyl ether | X                    | X                 | X                   |
| 1-Methyl-2-pyrrolidinone           | X                    | X                 | X                   |

**Legend**

X - Listed

**16. OTHER INFORMATION**

**HMIS -**      **Health: 2\***      **Flammability: 0**      **Reactivity: 0**      **PPE: -**

**HMIS Legend**

- 0 - Minimal Hazard
- 1 - Slight Hazard
- 2 - Moderate Hazard



- 3 - Serious Hazard
- 4 - Severe Hazard
- \* - Chronic Hazard

X - Consult your supervisor or S.O.P. for "Special" handling instructions.

*Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.*

*Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.*

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

**Prepared By** Product Stewardship Department  
Benjamin Moore & Co.  
101 Paragon Drive  
Montvale, NJ 07645  
800-225-5554

**Revision Date:** 05-Jun-2019  
**Revision Summary** Not available

Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

**End of Safety Data Sheet**