



# Benjamin Moore®

## SAFETY DATA SHEET

Revision Date: 29-Aug-2023

Revision Number: 1

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** HP DTM MASTIC URETHANE GLOSS - CATALYST  
**Product Code** HP5700-90  
**Alternate Product Code** UA5790  
**Product Class** CATALYST  
**Color** Light yellow  
**Recommended use** CATALYST  
**Restrictions on use** No information available

**Manufacturer**  
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CHEMTREC: +1 703-741-5970 / 1-800-424-9300  
+1 703-527-3887 (outside US & Canada)

### 2. HAZARDS IDENTIFICATION

#### Classification

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

|  |            |
|--|------------|
| Acute toxicity - Inhalation (Gases)                | Category 4 |
| Acute toxicity - Inhalation (Vapors)               | Category 4 |
| Acute toxicity - Inhalation (Dusts/Mists)          | Category 4 |
| Respiratory sensitization                          | Category 1 |
| Skin sensitization                                 | Category 1 |
| Specific target organ toxicity (single exposure)   | Category 3 |
| Specific target organ toxicity (repeated exposure) | Category 2 |

#### Label elements

##### **Danger**

##### **Hazard statements**

Harmful if inhaled  
May cause allergy or asthma symptoms or breathing difficulties if inhaled  
May cause an allergic skin reaction  
May cause respiratory irritation  
May cause damage to organs through prolonged or repeated exposure



**Appearance** liquid

**Odor** little or no odor

**Precautionary Statements - Prevention**

Use only outdoors or in a well-ventilated area  
 In case of inadequate ventilation wear respiratory protection  
 Contaminated work clothing should not be allowed out of the workplace  
 Wear protective gloves  
 Do not breathe dust/fume/gas/mist/vapors/spray

**Precautionary Statements - Response**

Get medical advice/attention if you feel unwell

**Skin**

IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse

**Inhalation**

IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed  
 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

**IMPORTANT:** Designed to be mixed with other components. Mixture will have hazards of all components. Before opening packages, read all warning labels. Follow all precautions.

**3. COMPOSITION INFORMATION ON COMPONENTS**

| Chemical name                          | CAS No     | Weight-%  |
|--|------------|-----------|
| Hexane, 1,6-diisocyanato-, homopolymer | 28182-81-2 | 95 - 100  |
| Hexamethylene-1,6-diisocyanate         | 822-06-0   | 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. If skin irritation persists, call a physician. Wash clothing before reuse. Destroy contaminated articles such as 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> | May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic skin reaction.  |
| <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)   | 460  |
| Flash Point (°C)   | 238  |
| Method   | PMCC   |
| <b>Flammability Limits In Air</b>                            |  |
| Lower flammability limit:                                    | Not applicable   |
| Upper flammability limit:                                    | Not applicable   |
| <b>NFPA</b>  |  |
| Health hazards   | 2  |
| Flammability   | 1  |
| Stability  | 1  |
| 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**

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

**7. HANDLING AND STORAGE**

- Handling**                                    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 |
|--------------------------------|----------------|----------|
| Hexamethylene-1,6-diisocyanate | TWA: 0.005 ppm | -        |

**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>             | 9.4 - 9.9                |
| <b>Specific Gravity</b>               | 1.12 - 1.19              |
| <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 @20 °C (kPa)</b>    | No information available |
| <b>Relative vapor density</b>         | No information available |
| <b>Wt. % Solids</b>                   | 90 - 100                 |
| <b>Vol. % Solids</b>                  | 90 - 100                 |
| <b>Wt. % Volatiles</b>                | 0 - 10                   |
| <b>Vol. % Volatiles</b>               | 0 - 10                   |
| <b>VOC Regulatory Limit (g/L)</b>     | < 250                    |
| <b>Boiling Point (°F)</b>             | 397                      |
| <b>Boiling Point (°C)</b>             | 203                      |
| <b>Freezing point (°F)</b>            | No information available |
| <b>Freezing Point (°C)</b>            | No information available |
| <b>Flash point (°F)</b>               | 460                      |
| <b>Flash Point (°C)</b>               | 238                      |
| <b>Method</b>                         | PMCC                     |
| <b>Flammability (solid, gas)</b>      | Not applicable           |
| <b>Upper flammability limit:</b>      | Not applicable           |
| <b>Lower flammability limit:</b>      | Not applicable           |
| <b>Autoignition Temperature (°F)</b>  | No information available |
| <b>Autoignition Temperature (°C)</b>  | No information available |
| <b>Decomposition Temperature (°F)</b> | No information available |
| <b>Decomposition Temperature (°C)</b> | No information available |
| <b>Partition coefficient</b>          | No information available |

## 10. STABILITY AND REACTIVITY

|   |  |
|---|--|
| <b>Reactivity</b>                         | Not Applicable                           |
| <b>Chemical Stability</b>                 | Stable under normal conditions.          |
| <b>Conditions to avoid</b>                | Prevent from freezing.                   |
| <b>Incompatible Materials</b>             | No materials to be especially mentioned. |
| <b>Hazardous Decomposition Products</b>   | None under normal use.                   |
| <b>Possibility of hazardous reactions</b> | 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>            | Respiratory sensitizer<br>May cause allergy or asthma symptoms or breathing difficulties if inhaled<br>May cause an allergic skin reaction |
| <b>Neurological Effects</b>     | No information available.  |
| <b>Mutagenic Effects</b>        | No information available.  |
| <b>Reproductive Effects</b>     | No information available.  |
| <b>Developmental Effects</b>    | No information available.  |
| <b>Target organ effects</b>     | No information available.  |
| <b>STOT - single exposure</b>   | May cause disorder and damage to the. Respiratory system. Lungs.   |
| <b>STOT - repeated exposure</b> | Causes damage to organs through prolonged or repeated exposure if inhaled.   |
| <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

**ATEmix (inhalation-dust/mist)** 4.6 mg/l  
**ATEmix (inhalation-vapor)** 11 mg/l

**Component Information** Caution - This mixture contains a substance not yet fully tested

| Chemical name  | Oral LD50           | Dermal LD50          | Inhalation LC50                       |
|--|---------------------|----------------------|---------------------------------------|
| Hexane, 1,6-diisocyanato-, homopolymer<br>28182-81-2 | -                   | -                    | = 18500 mg/m <sup>3</sup> ( Rat ) 1 h |
| Hexamethylene-1,6-diisocyanate<br>822-06-0           | = 746 mg/kg ( Rat ) | = 7001 mg/kg ( Rat ) | = 0.06 mg/L ( Rat ) 4 h               |

**Chronic Toxicity**

**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**

No information available.

#### **Mobility in Environmental Media**

No information available.

#### **Ozone**

Not applicable

### **Component Information**

#### **Acute Toxicity to Fish**

No information available

#### **Acute Toxicity to Aquatic Invertebrates**

No information available

#### **Acute Toxicity to Aquatic Plants**

Hexane, 1,6-diisocyanato-, homopolymer

EC50: > 1000 mg/L (Green algae (Scenedesmus subspicatus), 72 hrs.)

## 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 Hazard Categories

|                                   |     |
|-----------------------------------|-----|
| Acute health hazard               | Yes |
| 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

None

#### **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</u> |
|--------------------------------|---------------|-----------------|--------------------------------|
| Hexamethylene-1,6-diisocyanate | 822-06-0      | 0.1 - 0.5       | <u>(HAP)</u><br>Listed         |

### US State Regulations

#### California Proposition 65

 **WARNING:** Cancer and Reproductive Harm— [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

#### U.S. State Right-to-Know Regulations



| Chemical name                  | Massachusetts | New Jersey | Pennsylvania |
|--------------------------------|---------------|------------|--------------|
| Hexamethylene-1,6-diisocyanate | X             | X          |              |

**Legend**

X - Listed

**16. OTHER INFORMATION**

**HMIS**

|                     |    |
|---------------------|----|
| Health hazards      | 2* |
| Flammability        | 1  |
| Reactivity:         | 1  |
| Personal protection | -  |

**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).

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**End of Safety Data Sheet**