



## Safety Data Sheet

Revised 25 June 2018

### 1. Identification

**Product Name:** Urethane Hardener  
**Product Codes:** 2800

**Recommended Use:** Surface Protection Additive

**Manufactured By:** David E. Easterday & Company, Inc.  
1225-C US 62  
Wilmot, Ohio 44689

**Emergency Phone:** 1-800-322-8172  
(Monday - Friday, 7:30 a.m. to 5:00 p.m. EST)

**Chemtrec Phone:** 1-800-424-9300  
**Other Calls:** (330) 359-0700  
**Facsimile:** (330) 359-0800

### 2. Hazards Identification

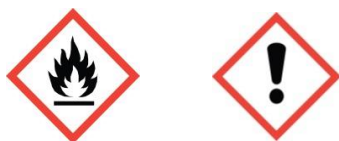
**Classification:** Flammable Liquid 3, Skin Irritant 3, Eye Irritant 2B, Acute Toxicity 4 (vapour) 5 (oral)

**Signal Word:** Warning

**Hazard Statements:**

H226	Flammable liquid and vapour
H316	Causes mild skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H303	May be harmful if swallowed

**Symbols:**



**Precautionary Statements:**

Prevention

P101 If medical advice is needed: Have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P240 Ground and bond container and receiving equipment.  
P241 Use explosion proof (electrical, ventilatin, lighting) equipment.  
P242 Use non-sparking tools.  
P243 Take action to prevent static discharges.  
P261 Avoid breathing fumes/gas/mist/vapours/spray.

- P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P264 Wash hands thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.

Response

- P303+P361 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 +P353  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P370+P378 In case of fire: Use CO<sub>2</sub> and dry chemical extinguishing agents.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P305+P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to  
 +P338 do. Continue rinsing.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P312 Call a POISON CENTER/doctor if you feel unwell.

Storage

- P403+P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

Disposal

- P501 Dispose of contents/container in accordance with applicable federal, state, and local laws and regulations.

**3. Composition/Information on Ingredients**

<u>Ingredient</u>	<u>CAS No.</u>	<u>HAP (Y/N)</u>	<u>VOC (Y/N)</u>	<u>% by Wt.</u>
methyl ethyl ketone	78-93-3	No	Yes	25 to 30
hexamethylene diisocyanate	822-06-0	No	Yes	< 1

**4. First-Aid Measures**

- Eye Contact** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Skin Contact** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.
- Ingestion** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
- Inhalation** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**5. Fire-Fighting Measures**

**Extinguishing Media:** CO<sub>2</sub> and Dry Chemical extinguishing agents.

**Special Fire Fighting Procedures:** Firefighters should wear self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to potential of hazardous vapors and decomposition products.

## 6. Accidental Release Measures

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with a suitable absorbent material. Gather and store in an approved and sealed container pending a waste disposal evaluation.

## 7. Handling and Storage

**Handling:** Follow all SDS/label precautions even after container is emptied because it may retain product residues. Wash hands thoroughly after handling. Use only in a well-ventilated area.

**Storage:** Keep away from children and pets. Keep container tightly closed.

**Unusual Fire and Explosion Hazards:** Solvent vapors are heavier than air and may travel a considerable distance to a source of ignition and then flash back. Avoid accumulation of water. Solvent may float and reignite on surface of water. Closed containers may explode due to pressure build-up when exposed to extreme heat. Use water spray/fog for cooling. Do not cut, drill, grind, or weld near containers - even when empty. Residual product or vapors may ignite or explode.

**Sensitive to Static Discharge:** Appropriate grounding and bonding procedures should be followed when storing, transferring and applying this product to eliminate a build-up of static charge.

## 8. Exposure Controls/Personal Protection

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH TLV-STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA CEILING</u>
methyl ethyl ketone	200 ppm	300 ppm	200 ppm	N.D.
hexamethylene diisocyanate	0.005 ppm	N.D.	N.D.	N.D.

N.D. - Not Determined

**Engineering Controls:** Check applicable ventilation codes. Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

### Personal Protective Equipment:

**Respiratory Tract** - If used in a way that generates a fume/gas/vapor/mist, wear an approved respirator with organic vapor control.

**Eyes** - Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.

**Skin** - Wearing chemically resistant gloves is recommended. Wash hands and other exposed areas with mild soap and water before eating and drinking.

## 9. Physical and Chemical Properties

<b>Appearance</b>	liquid (clear)	<b>Vapor Pressure</b>	Not determined
<b>Odor</b>	strong solvent	<b>Vapor Density</b>	Not determined
<b>Odor Threshold</b>	Not determined	<b>Relative Density</b>	1.03
<b>pH</b>	Not determined	<b>Solubility</b>	Not determined
<b>Melting/Freezing Point</b>	Not determined	<b>Partition Coefficient,</b>	Not determined

<b>Initial Boiling Point</b>	88 °F (31 C°)	<b>n-octanol/water</b>	Not determined
<b>Boiling Range</b>	Not determined	<b>Auto-Ignition Temp.</b>	Not determined
<b>Flashpoint</b>	127 °F (53 C°)	<b>Decomposition Temp.</b>	Not determined
<b>Evaporation Rate</b>	Not determined	<b>Viscosity</b>	Not determined
<b>UEL/LEL</b>	Not determined	<b>Material VOC</b>	2.33 lbs per gallon

## 10. Stability and Reactivity

**Stability:** Stable under normal conditions.

**Conditions to Avoid:** Sparks, open flames and other sources of ignition.

**Incompatibility (Materials to Avoid):** Strong oxidizing agents. Strong acids. Peroxides.

**Hazardous Decomposition or Byproducts:** Carbon monoxide, Carbon dioxide.

**Hazardous Polymerization:** Will not occur.

## 11. Toxicological Information

<u>Ingredient</u>		<u>LC<sub>50</sub></u> <u>mg/m<sup>3</sup></u>	<u>LD<sub>50</sub></u> <u>mg/kg</u>	<u>IDLH</u> <u>ppm</u>	<u>Potential Carcinogen</u>
methyl ethyl ketone	78-93-3	7,833 (8 hr)	2,737	3,000	
hexamethylene diisocyanate	822-06-0	9 (4 hr)	743	N.D.	

<sup>1</sup>N.D. - Not Determined

**Primary Routes of Entry** Absorbed into the body through inhalation and ingestion.

## 12. Ecological Information

**Overview:** No data available. No ecological information available.

## 13. Disposal Considerations

**Waste Disposal Method:** Whatever cannot be recovered, reused, or recycled in an appropriate manner should be disposed of at an approved waste facility. Processing, use or contamination of this product may change the the waste management options. Dispose of container and unused contents in accordance with applicable federal, state and local laws and regulations.

**Components Subject to EPA Land Ban Restrictions:**

methyl ethyl ketone 78-93-3

## 14. Transport Information

<b>U.S. Department of Transportation</b> Title 49 CFR, Subchapter C	<b>Proper Shipping Name:</b> <b>Hazard Class:</b> <b>I.D. Number:</b> <b>Packing Group:</b>	Paint related material 3 UN 1263 III
<b>Emergency Response Guidebook (2016)</b>	<b>Guide Number:</b>	128

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## 15. Regulatory Information

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### Sara 313 Reportable:

<u>Chemical</u>	<u>CAS No.</u>
hexamethylene diisocyanate	822-06-0

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## 16. Other Information

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To the best of our knowledge, the information and recommendations contained herein were believed to be accurate at the time of preparation, or obtained from sources believed to be reliable. However, it is the user's responsibility to determine safety, toxicity, and suitability for his own use of the product. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding the product described, data or information set forth. In no case shall the descriptions, information or data provided be considered as part of our terms and conditions of sale. The descriptions, information and data furnished herein are given gratis. No obligation or liability for the descriptions, information and data given are assumed. All such being given and accepted at your risk.

The customer or recipient of this SDS should ensure that the information contained in this SDS is made available to all employees or other persons whom he knows or believes will use this material.

Date of preparation or last revision: 25 June 2018