



Revision Date: 03/16/2006

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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** DURABOND M-11FL MED DEV URETHAN  
**Product type:** Polyurethane hardener  
**Company address:**  
Henkel Corporation  
One Henkel Way  
Rocky Hill, Connecticut 06067

**Item No. :** 209678 / IDH No. 314078  
**Region:** United States  
**Contact Information:**  
Telephone: (860) 571-5100  
Emergency telephone: (860) 571-5100  
Internet: www.henkelna.com

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Alkylated glycerol Proprietary	60-100	None	None	None
Substituted polyol Proprietary	10-30	None	None	None
Alkoxyated phenol Proprietary	10-30	None	None	None
Stannous 2-ethyl hexanoate 301-10-0	1-5	0.1 mg/m <sup>3</sup> TWA as Sn 0.2 mg/m <sup>3</sup> STEL as Sn 2 mg/m <sup>3</sup> TWA (skin)	0.1 mg/m <sup>3</sup> TWA as Sn 2 mg/m <sup>3</sup> TWA	None

**3. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

**Physical state:** Liquid  
**Color:** Light  
**Odor:** Mild

**HMIS:**

**HEALTH:** 2  
**FLAMMABILITY:** 1  
**PHYSICAL HAZARD:** 0  
**Personal Protection:** See Section 8

**WARNING:** MAY CAUSE ALLERGIC SKIN REACTION.  
MAY CAUSE EYE AND SKIN IRRITATION.

**Relevant routes of exposure:** Eye contact, Ingestion, Inhalation, Skin contact

**Potential Health Effects**

**Inhalation:** May cause irritation to nose and throat.  
**Skin contact:** May cause allergic skin reaction. May cause skin irritation. Rash.  
**Eye contact:** Mild eye irritation.  
**Ingestion:** Not a relevant route of exposure.

**Existing conditions aggravated by exposure:** Skin disorders. Skin allergies. Eye disorders.

See Section 11 for additional toxicological information.

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#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air. If discomfort persists seek medical attention.
<b>Skin contact:</b>	Remove contaminated clothing and shoes. Immediately flush skin with plenty of water (using soap, if available). Get medical attention if symptoms develop and persist. Wash clothing before reuse.
<b>Eye contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash point:</b>	Greater than 93°C (200°F) (estimated)
<b>Autoignition temperature:</b>	Not available
<b>Flammable/Explosive limits-lower %:</b>	Not available
<b>Flammable/Explosive limits-upper %:</b>	Not available
<b>Extinguishing media:</b>	Use dry chemical, CO2, water spray or 'alcohol' foam.
<b>Special fire fighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
<b>Unusual fire or explosion hazards:</b>	Decomposition and combustion products may be toxic.
<b>Hazardous combustion products:</b>	Hydrocarbons. Oxides of carbon. Oxides of nitrogen. Irritating organic vapors. Ketones. Aldehydes.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	Do not allow material to contaminate ground water system. Prevent product from entering drains or open waters.
<b>Clean-up methods:</b>	Soak up with inert absorbent. Scrape up spilled material and place in a closed container for disposal.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling.
<b>Storage:</b>	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Do not store above 38°C (100°F).
<b>Incompatible products:</b>	Refer to Section 10.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering controls:</b>	Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.
<b>Respiratory protection:</b>	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
<b>Skin protection:</b>	Chemical resistant, impermeable gloves. Rubber gloves.
<b>Eye/face protection:</b>	Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid  
**Color:** Light  
**Odor:** Mild  
**Vapor pressure:** Not available  
**pH:** Not applicable  
**Boiling point/range:** Not available  
**Melting point/range:** Not available  
**Specific gravity:** Not available  
**Vapor density:** Not available  
**Evaporation rate:** Not available  
**Solubility in water:** Partial  
**Partition coefficient (n-octanol/water):** Not available  
**VOC content:** <1%; <10 grams/liter (estimated)

## 10. STABILITY AND REACTIVITY

**Stability:** Stable.  
**Hazardous polymerization:** Will not occur.  
**Hazardous decomposition products:** Hydrocarbons. Oxides of carbon. Oxides of nitrogen. Irritating organic vapors. Aldehydes. Ketones.  
**Incompatibility:** Strong acids and oxidizing agents. Reactive isocyanates.  
**Conditions to avoid:** Storage with incompatible materials. Elevated temperatures. Exposure to air. Exposure to sunlight.

## 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Alkylated glycerol Proprietary	No	No	No
Substituted polyol Proprietary	No	No	No
Alkoxyated phenol Proprietary	No	No	No
Stannous 2-ethyl hexanoate 301-10-0	No	No	No

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Alkylated glycerol Proprietary	No Target Organs
Substituted polyol Proprietary	Irritant
Alkoxyated phenol Proprietary	No Target Organs
Stannous 2-ethyl hexanoate 301-10-0	No Target Organs

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available

### 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Dispose of according to Federal, State and local governmental regulations.

**EPA hazardous waste number:** Not a RCRA hazardous waste.

### 14. TRANSPORT INFORMATION

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

**U.S. Department of Transportation Ground (49 CFR):**

Proper shipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing group:	None

**International Air Transportation (ICAO/IATA):**

Proper shipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing group:	None

**WaterTransportation (IMO/IMDG):**

Proper shipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing group:	None
Marine pollutant:	Stannous 2-ethyl hexanoate

### 15. REGULATORY INFORMATION

**United States Regulatory Information**

<b>TSCA 8 (b) Inventory Status:</b>	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
<b>TSCA 5 (a) (2) SNUR:</b>	None.
<b>TSCA 12 (b) Export Notification:</b>	None.

<b>CERCLA/SARA Section 302 EHS:</b>	None.
<b>CERCLA/SARA Section 311/312:</b>	Immediate Health Hazard
<b>CERCLA/SARA 313:</b>	None above reporting de minimus.

**California Proposition 65:** No California Proposition 65 listed chemicals are known to be present.

**Canada Regulatory Information**

<b>CEPA DSL/NDL Status:</b>	All components are listed on or are exempt from listing on the Domestic Substances List.
<b>WHMIS hazard class:</b>	D.2.B

### 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

**Prepared by:** Regulatory Affairs

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