



Revision Date: 01/27/2006

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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** 294 Threadlocker Wicking Grade  
**Product type:** Anaerobic Sealant  
**Company address:**  
Henkel Corporation  
1001 Trout Brook Crossing  
Rocky Hill, Connecticut 06067

**Item No. :** 27936  
**Region:** United States  
**Contact Information:**  
Telephone: 860.571.5100  
Emergency telephone: 860.571.5100  
Internet: www.loctite.com

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Hazardous components</b>	<b>%</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>OTHER</b>
Polyglycol dimethacrylate 25852-47-5	30-60	None	None	None
Triazine ester Proprietary	10-30	None	None	None
Maleimide 941-69-5	10-30	None	None	None
Aromatic dimethacrylate ester 24448-20-2	5-10	None	None	None
Bismaleimide 105391-33-1	1-5	None	None	None
Saccharin 81-07-2	1-5	None	None	None
Maleic acid 110-16-7	1-5	None	None	None
1-Acetyl-2-phenylhydrazine 114-83-0	0.1-1	None	None	None

**3. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW****HMIS:**

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

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

**WARNING:** MAY CAUSE ALLERGIC SKIN REACTION.  
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.  
HARMFUL IF SWALLOWED OR INHALED.

**Relevant routes of exposure:** Skin, Inhalation, Eyes

**Potential Health Effects**

**Item No. :** 27936

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<b>Inhalation:</b>	May cause respiratory tract irritation. N-Phenylmaleimide is highly toxic by inhalation.
<b>Skin contact:</b>	May cause allergic skin reaction. May cause skin irritation with discomfort or rash.
<b>Eye contact:</b>	Contact with eyes will cause irritation.
<b>Ingestion:</b>	Harmful if swallowed. N-phenylmaleimide is toxic by ingestion.

<b>Existing conditions aggravated by exposure:</b>	Eye, skin, and respiratory disorders.
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**See Section 11 for additional toxicological information.**

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air. If symptoms develop and persist, get medical attention.
<b>Skin contact:</b>	Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.
<b>Eye contact:</b>	Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Keep individual calm. Obtain medical attention.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash point:</b>	Greater than 93°C (200°F)    Tagliabue closed cup
<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>	Foam, dry chemical or carbon dioxide.
<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>	None
<b>Hazardous combustion products:</b>	Oxides of carbon. Oxides of nitrogen. Irritating organic vapors. Toxic fumes.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	Prevent product from entering drains or open waters.
<b>Clean-up methods:</b>	Soak up with inert absorbent. Store in a partly filled, closed container until 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>	For safe storage, store at or below 38°C (100°F). Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
<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>	No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits.
<b>Respiratory protection:</b>	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
<b>Skin protection:</b>	Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves. Butyl rubber gloves. Natural 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

<b>Physical state:</b>	Liquid
<b>Color:</b>	Green
<b>Odor:</b>	Mild
<b>Vapor pressure:</b>	0.7 kPa at 20 °C (68 °F)
<b>pH:</b>	Not applicable
<b>Boiling point/range:</b>	Greater than 149°C (300°F)
<b>Melting point/range:</b>	Not available
<b>Specific gravity:</b>	1.1229
<b>Vapor density:</b>	Not available
<b>Evaporation rate:</b>	Not available
<b>Solubility in water:</b>	Slight
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>VOC content:</b>	<4%; <44.92 grams/liter

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable.
<b>Hazardous polymerization:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of nitrogen. Irritating organic vapors. Toxic fumes.
<b>Incompatibility:</b>	Iron. Copper. Aluminum. Rust. Zinc. Reducing agents. Strong acids and oxidizing agents. Oxygen scavengers. Strong alkalis. Peroxides. Heat, sunlight, or UV light.
<b>Conditions to avoid:</b>	Heat, flames, sparks and other sources of ignition. See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

## 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Polyglycol dimethacrylate 25852-47-5	No	No	No
Triazine ester Proprietary	No	No	No
Maleimide 941-69-5	No	No	No
Aromatic dimethacrylate ester 24448-20-2	No	No	No
Bismaleimide 105391-33-1	No	No	No
Saccharin 81-07-2	No	No	No
Maleic acid 110-16-7	No	No	No
1-Acetyl-2-phenylhydrazine 114-83-0	No	No	No

#### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Polyglycol dimethacrylate 25852-47-5	Allergen, Irritant
Triazine ester Proprietary	No Target Organs
Maleimide 941-69-5	Irritant
Aromatic dimethacrylate ester 24448-20-2	Allergen, Irritant
Bismaleimide 105391-33-1	No Records
Saccharin 81-07-2	No Target Organs
Maleic acid 110-16-7	Irritant, Kidney
1-Acetyl-2-phenylhydrazine 114-83-0	Allergen, Blood, Kidney, Mutagen, Some evidence of carcinogenicity

## 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

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

**Proper shipping name:** TOXIC LIQUID, ORGANIC, N.O.S. (N-Phenylmaleimide)  
**Hazard class or division:** 6.1  
**Identification number:** UN 2810  
**Packing group:** III  
**Exceptions:** Consumer Commodity ORM-D (Not more than 4 Liters)

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

**Proper shipping name:** TOXIC LIQUID, ORGANIC, N.O.S. (N-Phenylmaleimide)  
**Hazard class or division:** 6.1  
**Identification number:** UN 2810  
**Packing group:** III  
**Exceptions:** Consumer Commodity, ID 8000, Class 9 (Not more than 500)

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**WaterTransportation (IMO/IMDG):**

Proper shipping name:	TOXIC LIQUID, ORGANIC, N.O.S. (N-Phenylmaleimide)
Hazard class or division:	6.1
Identification number:	UN2810
Packing group:	III
Marine pollutant:	None

**15. REGULATORY INFORMATION****United States Regulatory Information**

TSCA 8 (b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification:	4-Methoxyphenol (150-76-5).

CERCLA/SARA Section 302 EHS:	None above reporting de minimus.
CERCLA/SARA Section 311/312:	Immediate Health Hazard, Delayed Health Hazard
CERCLA/SARA 313:	This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). None.

California Proposition 65:	This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.
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**Canada Regulatory Information**

CEPA DSL/NDSL Status:	Contains one or more components listed on the Non-Domestic Substances list.
WHMIS hazard class:	D.1.B, D.2.B

**16. OTHER INFORMATION**

This material safety data sheet contains changes from the previous version in sections: 9

Prepared by: Kyra Kozak Woods, Product Safety and Regulatory Affairs Specialist

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