

**Revision Date:** 04/18/2007

**Issue date:** 04/18/2007

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** LOCTITE H4800 SPEEDBNDR PART A  
**Product type:** Acrylics  
**Company address:**  
 Henkel Corporation  
 1001 Trout Brook Crossing  
 Rocky Hill, Connecticut 06067

**Item No. :** 999451\_AA0480 / IDH No. 999451  
**Region:** United States  
**Contact Information:**  
 Telephone: 860.571.5100  
 Emergency telephone: 860.571.5100  
 Internet: www.loctite.com

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Methyl methacrylate 80-62-6	30-60	50 ppm TWA 100 ppm STEL	100 ppm TWA 410 mg/m <sup>3</sup> TWA	50 ppm
Hydroxyalkyl methacrylate 868-77-9	10-30	None	None	3 ppm (ceiling)
Polyethylene based rubber Proprietary	10-30	None	None	None
Methacrylic acid 79-41-4	1-5	20 ppm TWA	None	None
2,6-Di-t-butyl-p-cresol 128-37-0	1-5	2 mg/m <sup>3</sup> TWA	None	None
Talc 14807-96-6	0.1-1	2 mg/m <sup>3</sup> TWA	= 20 mppcf TWA	50 ppm

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

#### HMIS:

**Physical state:** Liquid  
**Color:** White Opaque  
**Odor:** Sharp

**HEALTH:** 2\*  
**FLAMMABILITY:** 3  
**PHYSICAL HAZARD:** 1  
**Personal Protection:** See Section 8

**WARNING:** FLAMMABLE LIQUID AND VAPOR.  
 CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION  
 HARMFUL IF SWALLOWED.  
 MAY CAUSE ALLERGIC SKIN REACTION.

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

#### Potential Health Effects

**Inhalation:** Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.  
**Skin contact:** Irritating to skin. May cause allergic skin reaction.  
**Eye contact:** Vapors may irritate eyes. Contact with eyes will cause irritation.  
**Ingestion:** May be harmful if swallowed. Ingestion causes irritation and effects similar to inhalation.

**Existing conditions aggravated by exposure:** Eye, skin, and respiratory disorders.

**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>	14°C (58°F)    Setaflash 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>	None
<b>Unusual fire or explosion hazards:</b>	Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.
<b>Hazardous combustion products:</b>	Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Hydrogen cyanide. Hydrogen chloride. Acids. Aldehydes. Alcohols. Toxic fumes. Acrid smoke and fumes. Irritating organic vapors.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	Prevent product from entering drains or open waters.
<b>Clean-up methods:</b>	Remove all ignition sources. Ensure adequate ventilation. Soak up with inert absorbent. Store in a closed container until ready 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. During use and until all vapors are gone: Keep area ventilated - do not smoke; extinguish all flames, pilot lights, and heaters; turn off stoves, electrical tools and appliances, and any other sources of ignition. Make sure containers are properly grounded before use or transfer of material.
<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. For safe storage, store at or below 32°C (90°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>	Use local exhaust ventilation to maintain airborne concentrations below established 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. Nitrile 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>	White Opaque
<b>Odor:</b>	Sharp
<b>Vapor pressure:</b>	28 mmHg @20°C (68° F)
<b>pH:</b>	Not applicable
<b>Boiling point/range:</b>	Greater than 38°C (100°F)
<b>Melting point/range:</b>	Not available
<b>Specific gravity:</b>	1.02
<b>Vapor density:</b>	Greater than 1
<b>Evaporation rate:</b>	Faster than ether
<b>Solubility in water:</b>	Slight
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>VOC content:</b>	2.60%; 26.0 grams/liter (Adhesive and Activator mixed)

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable.
<b>Hazardous polymerization:</b>	May occur.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Hydrogen cyanide. Hydrogen chloride. Acids. Aldehydes. Alcohols. Carbon tetrachloride. Styrene. Acrolein. Acetophenone. Ethylbenzene. Cumene. 4-Vinyl cyclohexene. Phenols. Irritating organic vapors. Toxic fumes. Smoke.
<b>Incompatibility:</b>	Oxidizing agents. Reducing agents. Acids. Bases.
<b>Conditions to avoid:</b>	See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10). Do not mix in batches greater than 100 grams (0.220 pounds) unless you plan to use immediately.

## 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Methyl methacrylate 80-62-6	No	No	No
Hydroxyalkyl methacrylate 868-77-9	No	No	No
Polyethylene based rubber Proprietary	No	No	No
Methacrylic acid 79-41-4	No	No	No
2,6-Di-t-butyl-p-cresol 128-37-0	No	No	No
Talc 14807-96-6	No	No	No

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Methyl methacrylate 80-62-6	Allergen, Irritant, Kidney, Liver, Nervous System, Respiratory, Mutagen
Hydroxyalkyl methacrylate 868-77-9	Allergen, Irritant
Polyethylene based rubber Proprietary	No Target Organs
Methacrylic acid 79-41-4	Allergen, Corrosive, Irritant
2,6-Di-t-butyl-p-cresol 128-37-0	Mutagen, Irritant
Talc 14807-96-6	Some evidence of carcinogenicity, Lung, Irritant

## 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: D001: Ignitable. D019: Carbon tetrachloride.

## 14. TRANSPORT INFORMATION

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

Proper shipping name: Adhesives  
Hazard class or division: 3  
Identification number: UN 1133  
Packing group: II  
Exceptions: Consumer Commodity ORM-D (Not more than 5 L)  
Marine pollutant: None

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

Proper shipping name: Adhesives  
Hazard class or division: 3  
Identification number: UN 1133  
Packing group: II  
Exceptions: May Qualify as Consumer Commodity ID8000 (Not more than 500 ml)

### Water Transportation (IMO/IMDG):

Proper shipping name: Adhesives  
Hazard class or division: 3  
Identification number: UN1133  
Packing group: II  
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: None.

CERCLA/SARA Section 302 EHS: None above reporting de minimus.  
CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard, Fire  
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). Methyl Methacrylate (CAS# 80-62-6) .

California Proposition 65: This product contains a chemical known to the State of California to cause cancer.

### Canada Regulatory Information

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

## 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 2, 15

**Prepared by:** Kyra Kozak Woods, Manager, Regulatory Affairs

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** LOCTITE H4800 SPEEDBNDR PART B  
**Product type:** Acrylics  
**Company address:**  
 Henkel Corporation  
 1001 Trout Brook Crossing  
 Rocky Hill, Connecticut 06067

**Item No. :** 999452\_AB0480 / IDH No. 999452  
**Region:** United States  
**Contact Information:**  
 Telephone: 860.571.5100  
 Emergency telephone: 860.571.5100  
 Internet: www.loctite.com

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Methyl methacrylate 80-62-6	60-100	50 ppm TWA 100 ppm STEL	100 ppm TWA 410 mg/m <sup>3</sup> TWA	50 ppm
Aldehyde-amine condensate Proprietary	10-30	None	None	None

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

<b>Physical state:</b> Paste <b>Color:</b> Yellow Opaque <b>Odor:</b> Sharp	<b>HMIS:</b> <b>HEALTH:</b> 2* <b>FLAMMABILITY:</b> 3 <b>PHYSICAL HAZARD:</b> 1 <b>Personal Protection:</b> See Section 8
<b>WARNING:</b> FLAMMABLE LIQUID AND VAPOR. CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION HARMFUL IF SWALLOWED. MAY CAUSE ALLERGIC SKIN REACTION.	

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

#### Potential Health Effects

**Inhalation:** Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.  
**Skin contact:** Irritating to skin. May cause allergic skin reaction.  
**Eye contact:** Vapors may irritate eyes. Contact with eyes will cause irritation.  
**Ingestion:** May be harmful if swallowed. Ingestion causes irritation and effects similar to inhalation.

**Existing conditions aggravated by exposure:** Eye, skin, and respiratory disorders.

**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>	14°C (58°F)    Setaflash 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>	None
<b>Unusual fire or explosion hazards:</b>	Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.
<b>Hazardous combustion products:</b>	Oxides of carbon. Oxides of nitrogen. Hydrogen cyanide. Aldehydes. Ketones. Toxic fumes. Acrid smoke and fumes. Irritating organic vapors.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	Prevent product from entering drains or open waters.
<b>Clean-up methods:</b>	Remove all ignition sources. Ensure adequate ventilation. Soak up with inert absorbent. Store in a closed container until ready 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. During use and until all vapors are gone: Keep area ventilated - do not smoke; extinguish all flames, pilot lights, and heaters; turn off stoves, electrical tools and appliances, and any other sources of ignition. Make sure containers are properly grounded before use or transfer of material.
<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. For safe storage, store at or below 32°C (90°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>	Use local exhaust ventilation to maintain airborne concentrations below established 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. Nitrile 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>	Paste
<b>Color:</b>	Yellow Opaque
<b>Odor:</b>	Sharp
<b>Vapor pressure:</b>	28 mmHg @20°C (68° F)
<b>pH:</b>	Not applicable
<b>Boiling point/range:</b>	Greater than 38°C (100°F)
<b>Melting point/range:</b>	Not available
<b>Specific gravity:</b>	0.96
<b>Vapor density:</b>	Greater than 1
<b>Evaporation rate:</b>	Faster than ether
<b>Solubility in water:</b>	Slight
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>VOC content:</b>	2.60%; 26.0 grams/liter (Adhesive and Activator mixed)

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable.
<b>Hazardous polymerization:</b>	May occur.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of nitrogen. Hydrogen cyanide. Aldehydes. Styrene. Acrolein. Acetophenone. Ethylbenzene. Cumene. 4-Vinyl cyclohexene. Phenols. Ketones. Irritating organic vapors. Toxic fumes. Smoke.
<b>Incompatibility:</b>	Oxidizing agents. Reducing agents. Acids. Bases.
<b>Conditions to avoid:</b>	See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10). Do not mix in batches greater than 100 grams (0.220 pounds) unless you plan to use immediately.

## 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Methyl methacrylate 80-62-6	No	No	No
Aldehyde-amine condensate Proprietary	No	No	No

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Methyl methacrylate 80-62-6	Allergen, Irritant, Kidney, Liver, Nervous System, Respiratory, Mutagen
Aldehyde-amine condensate Proprietary	No data

## 12. ECOLOGICAL INFORMATION

<b>Ecological information:</b>	Not available
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## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

<b>Recommended method of disposal:</b>	Dispose of according to Federal, State and local governmental regulations.
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<b>EPA hazardous waste number:</b>	D001: Ignitable.
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## 14. TRANSPORT INFORMATION

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

Proper shipping name: Adhesives  
Hazard class or division: 3  
Identification number: UN 1133  
Packing group: II  
Exceptions: Consumer Commodity ORM-D (Not more than 5 L)  
Marine pollutant: None

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

Proper shipping name: Adhesives  
Hazard class or division: 3  
Identification number: UN 1133  
Packing group: II  
Exceptions: May Qualify as Consumer Commodity ID8000 (Not more than 500 ml)

### Water Transportation (IMO/IMDG):

Proper shipping name: Adhesives  
Hazard class or division: 3  
Identification number: UN1133  
Packing group: II  
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: None.

CERCLA/SARA Section 302 EHS: None above reporting de minimus.  
CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard, Fire  
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). Methyl Methacrylate (CAS# 80-62-6) .

California Proposition 65: This product contains a chemical known to the State of California to cause cancer.

### Canada Regulatory Information

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

## 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 15

Prepared by: Kyra Kozak Woods, Manager, Regulatory Affairs

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