



Revision Number: 002.0

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**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product name:</b>	<b>LOCTITE H8110 SPEED 490ML PT A</b>	<b>IDH number:</b>	1371362
<b>Product type:</b>	Acrylics	<b>Item number:</b>	1371361_AA8110
		<b>Region:</b>	United States
<b>Company address:</b>	<b>Contact information:</b>		
Henkel Corporation	Telephone: 860.571.5100		
One Henkel Way	MEDICAL EMERGENCY Phone: Poison Control Center		
Rocky Hill, Connecticut 06067	1-877-671-4608 (toll free) or 1-303-592-1711		
	TRANSPORT EMERGENCY Phone: CHEMTREC		
	1-800-424-9300 (toll free) or 1-703-527-3887		
	Internet: www.henkelna.com		

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

<b>Physical state:</b>	Liquid	<b>HEALTH:</b>	*2
<b>Color:</b>	Opaque, Yellow	<b>FLAMMABILITY:</b>	3
<b>Odor:</b>	Sharp	<b>PHYSICAL HAZARD:</b>	1
		<b>Personal Protection:</b>	See MSDS Section 8

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

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

**Potential Health Effects**

<b>Inhalation:</b>	Causes respiratory tract irritation. Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.
<b>Skin contact:</b>	Causes skin irritation. May cause allergic skin reaction.
<b>Eye contact:</b>	Vapors may irritate eyes. Contact with eyes will cause irritation.
<b>Ingestion:</b>	May cause gastrointestinal tract irritation if swallowed. May be harmful if swallowed.

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

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous components	CAS NUMBER	%
Methyl methacrylate	80-62-6	30 - 60
Methacrylate ester	Proprietary	10 - 30
Methacrylic acid	79-41-4	5 - 10
Synthetic rubber	Proprietary	5 - 10
Benzenamine, N,N,4-trimethyl-	99-97-8	1 - 5
Methacrylate ester	Proprietary	1 - 5
Talc	14807-96-6	0.1 - 1
Polyvinyl chloride	9002-86-2	0.1 - 1

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
<b>Skin contact:</b>	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
<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 unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

#### 5. FIRE FIGHTING MEASURES

<b>Flash point:</b>	14 °C (57.2 °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 firefighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
<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 phosphorus. Hydrogen cyanide. Styrene. Toxic fumes. Irritating vapors.

#### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

<b>Environmental precautions:</b>	Do not allow product to enter sewer or waterways.
<b>Clean-up methods:</b>	Remove all sources of ignition. Ensure adequate ventilation. Wear appropriate personal protective equipment. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not taste or swallow. 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. Keep container closed.
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**Storage:**

For safe storage, store at or below 32 °C (89.6 °F)  
 Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Keep away from heat, spark and flame. Protect from direct sunlight. Maintain head space in storage containers to support oxygen requirements of the inhibitor(s).

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Methyl methacrylate	50 ppm TWA 100 ppm STEL (Sensitiser.)	100 ppm (410 mg/m <sup>3</sup> ) TWA	None	50 ppm
Methacrylate ester	None	None	None	None
Methacrylic acid	20 ppm TWA	None	None	None
Synthetic rubber	None	None	None	None
Benzenamine, N,N,4-trimethyl-	None	None	0.5 ppm TWA	None
Methacrylate ester	None	None	None	None
Talc	2 mg/m <sup>3</sup> TWA Respirable fraction.	20 MPPCF TWA 2.4 MPPCF TWA Respirable. 0.1 mg/m <sup>3</sup> TWA Respirable. 0.3 mg/m <sup>3</sup> TWA Total dust.	None	50 ppm
Polyvinyl chloride	1 mg/m <sup>3</sup> TWA Respirable fraction.	5 mg/m <sup>3</sup> TWA Respirable fraction. 15 mg/m <sup>3</sup> TWA Total dust. 50 MPPCF TWA Total dust. 5 mg/m <sup>3</sup> TWA Respirable fraction. 15 mg/m <sup>3</sup> TWA Total dust. 15 MPPCF TWA Respirable fraction.	None	None

**Engineering controls:**

Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

**Respiratory protection:**

Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

**Eye/face protection:**

Safety goggles or safety glasses with side shields.

**Skin protection:**

Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact. Nitrile gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:**

Liquid

**Color:**

Opaque, Yellow

**Odor:**

Sharp

**Odor threshold:**

Not available.

**pH:**

Not available.

**Vapor pressure:**

Not available.

**Boiling point/range:**

> 100 °C (> 212°F)

**Melting point/ range:**

Not available.

**Specific gravity:**

0.94

**Vapor density:**

> 1

**Flash point:** 14 °C (57.2 °F) Setflash Closed Cup  
**Flammable/Explosive limits - lower:** Not available.  
**Flammable/Explosive limits - upper:** Not available.  
**Autoignition temperature:** Not available.  
**Evaporation rate:** Faster than ether., (Ether = 1)  
**Solubility in water:** Soluble  
**Partition coefficient (n-octanol/water):** Not available.  
**VOC content:** 1.37 %; 12.87 g/l

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of storage and use.  
**Hazardous reactions:** Polymerization may occur at elevated temperatures or upon depletion of inhibitor.  
**Hazardous decomposition products:** Oxides of carbon. Oxides of nitrogen. Oxides of phosphorus. Hydrogen cyanide. Styrene. Toxic fumes. Irritating vapors.  
**Incompatible materials:** Oxidizing agents. Reducing agents. Acids. Bases. Free radical initiators. Peroxides.  
**Conditions to avoid:** Keep away from heat, ignition sources and incompatible materials. Protect from direct sunlight. Loss of polymerization inhibitor. Loss of dissolved air. Do not mix in batches greater than 100 grams (0.22 pounds) unless you plan to use immediately.

## 11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Methyl methacrylate	No	No	No
Methacrylate ester	No	No	No
Methacrylic acid	No	No	No
Synthetic rubber	No	No	No
Benzenamine, N,N,4-trimethyl-	No	No	No
Methacrylate ester	No	No	No
Talc	No	No	No
Polyvinyl chloride	No	No	Yes

Hazardous components	Health Effects/Target Organs
Methyl methacrylate	Allergen, Irritant, Kidney, Liver, Mutagen, Nervous System, Respiratory
Methacrylate ester	Irritant, Allergen
Methacrylic acid	Corrosive, Irritant, Allergen
Synthetic rubber	No Target Organs
Benzenamine, N,N,4-trimethyl-	Mutagen, Allergen
Methacrylate ester	Irritant, Allergen
Talc	Irritant, Lung, Some evidence of carcinogenicity
Polyvinyl chloride	Respiratory

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available.

### 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Follow all local, state, federal and provincial regulations for disposal.  
**Hazardous waste number:** D001: Ignitable.

### 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  
**DOT Reportable quantity:** Methyl methacrylate

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

**Proper shipping name:** Adhesives  
**Hazard class or division:** 3  
**Identification number:** UN 1133  
**Packing group:** II

#### Water Transportation (IMO/IMDG)

**Proper shipping name:** ADHESIVES  
**Hazard class or division:** 3  
**Identification number:** UN 1133  
**Packing group:** II

### 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 above reporting de minimus  
**CERCLA/SARA Section 302 EHS:** None above reporting de minimus  
**CERCLA/SARA Section 311/312:** Fire, Immediate Health, Delayed Health  
**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).  
**CERCLA Reportable quantity:** Methyl methacrylate (CAS# 80-62-6) 1,000 lbs. (454 kg)  
**California Proposition 65:** This product contains a chemical known in the State of California to cause cancer.

#### Canada Regulatory Information

**CEPA DSL/NDSL Status:** Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details.  
**WHMIS hazard class:** B.2, D.2.A, D.2.B

### 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 1,2,3,4,5,6,7,8,10

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