

**Revision Date:** 10/17/2008

**Issue date:** 10/17/2008

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b> H8010 PART A BULK <b>Product type:</b> Acrylics <b>Company address:</b> Henkel Corporation 1001 Trout Brook Crossing Rocky Hill, Connecticut 06067	<b>Item No. :</b> AA8010 / IDH No. 745407 <b>Region:</b> United States <b>Contact Information:</b> Telephone: 860.571.5100 Emergency telephone: 860.571.5100 Internet: www.loctite.com
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## 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 (sensitizer)	100 ppm TWA 410 mg/m <sup>3</sup> TWA	50 ppm
Methacrylate ester Proprietary	10-30	None	None	None
Methacrylic acid 79-41-4	5-10	20 ppm TWA	None	None
Synthetic rubber Proprietary	5-10	None	None	None
Titanium dioxide 13463-67-7	1-5	10 mg/m <sup>3</sup> TWA	15 mg/m <sup>3</sup> TWA total dust	None
Talc 14807-96-6	0.1-1	2 mg/m <sup>3</sup> TWA particulate matter containing no asbestos and <1% crystalline silica	= 20 mppcf TWA	50 ppm
Soda lime borosilicate glass 65997-17-3	0.1-1	1 fiber/cm <sup>3</sup> TWA respirable fibers: length > 5 µm, aspect ratio equal to or greater than 3:1, as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination. 5 mg/m <sup>3</sup> TWA inhalable fraction	0.1 mg/m <sup>3</sup> TWA	None

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

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

**HMIS:**

<b>HEALTH:</b>	2*
<b>FLAMMABILITY:</b>	3
<b>PHYSICAL HAZARD:</b>	1
<b>Personal Protection:</b>	See Section 8

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

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

## **Potential Health Effects**

**Inhalation:** Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.  
**Skin contact:** May cause skin irritation. May cause allergic skin reaction.  
**Eye contact:** May cause irritation.  
**Ingestion:** May be harmful if swallowed.

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

**See Section 11 for additional toxicological information.**

## **4. FIRST AID MEASURES**

**Inhalation:** Remove to fresh air. If symptoms develop and persist, get medical attention.

**Skin contact:** Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.

**Eye contact:** Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.

**Ingestion:** Do not induce vomiting. Keep individual calm. Obtain medical attention.

## **5. FIRE-FIGHTING MEASURES**

**Flash point:** 3°C (37.4°F) Pensky Martens closed cup

**Autoignition temperature:** Not available

**Flammable/Explosive limits-lower %:** Not available

**Flammable/Explosive limits-upper %:** Not available

**Extinguishing media:** Foam, dry chemical or carbon dioxide.

**Special fire fighting procedures:** None

**Unusual fire or explosion hazards:** Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.

**Hazardous combustion products:** Oxides of carbon. Toxic fumes. Acrid smoke and fumes. Irritating organic vapors.

## **6. ACCIDENTAL RELEASE MEASURES**

**Environmental precautions:** Prevent product from entering drains or open waters.

**Clean-up methods:** 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**

**Handling:** 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.

**Storage:** 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).

**Incompatible products:** Refer to Section 10.

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering controls:** Use local exhaust ventilation to maintain airborne concentrations below established exposure limits.

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

**Skin protection:** Chemical resistant, impermeable gloves. Nitrile gloves.

**Eye/face protection:** Safety goggles or safety glasses with side shields.

**See Section 2 for exposure limits.**

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid  
**Color:** White  
**Odor:** Sharp  
**Vapor pressure:** Not available  
**pH:** Not applicable  
**Boiling point/range:** Greater than 100°C (212°F)  
**Melting point/range:** Not available  
**Specific gravity:** 0.94  
**Vapor density:** Greater than 1  
**Evaporation rate:** Faster than ether (Ether = 1)  
**Solubility in water:** Completely miscible  
**Partition coefficient (n-octanol/water):** Not available  
**VOC content:** 0.949%; 9.49 grams/liter (Adhesive and Activator mixed)

## 10. STABILITY AND REACTIVITY

**Stability:** Stable.

**Hazardous polymerization:** Will not occur.

**Hazardous decomposition products:** Oxides of carbon. Toxic fumes. Irritating organic vapors. Acrid smoke and fumes.

**Incompatibility:** Oxidizing agents. Reducing agents. Acids. Bases.

**Conditions to avoid:** Heat, flames, sparks and other sources of ignition. 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
Methacrylate ester Proprietary	No	No	No
Methacrylic acid 79-41-4	No	No	No
Synthetic rubber Proprietary	No	No	No
Titanium dioxide 13463-67-7	No	Group 2B	Yes
Talc 14807-96-6	No	No	No
Soda lime borosilicate glass 65997-17-3	Suspect Carcinogen	Group 2B	Yes

### 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
Methacrylate ester Proprietary	Allergen, Irritant
Methacrylic acid 79-41-4	Allergen, Corrosive, Irritant
Synthetic rubber Proprietary	No Target Organs
Titanium dioxide 13463-67-7	Irritant, Respiratory
Talc 14807-96-6	Some evidence of carcinogenicity, Lung, Irritant
Soda lime borosilicate glass 65997-17-3	Allergen, Respiratory

## 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.

## 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 1 Liter)

### 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)

### WaterTransportation (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

<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 12 (b) Export Notification:</b>	None.
<b>CERCLA/SARA Section 302 EHS:</b>	None above reporting de minimus.
<b>CERCLA/SARA Section 311/312:</b>	Immediate Health Hazard, Delayed Health Hazard, Fire
<b>CERCLA/SARA 313:</b>	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) .
<b>California Proposition 65:</b>	This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

### Canada Regulatory Information

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

## 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 10,14

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** H8010 PART B BULK  
**Product type:** Acrylics Activator  
**Company address:**  
 Henkel Corporation  
 1001 Trout Brook Crossing  
 Rocky Hill, Connecticut 06067

**Item No. :** AB8010 / IDH No. 745409  
**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>
Benzoyl peroxide 94-36-0	10-30	5 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> TWA	None
Epoxy resin Proprietary	10-30	None	None	None
Butyl benzyl phthalate 85-68-7	10-30	None	None	None
Phthalate ester Proprietary	1-5	None	None	None
Carbon black 1333-86-4	0.1-1	3.5 mg/m <sup>3</sup> TWA	3.5 mg/m <sup>3</sup> TWA	None

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**Physical state:** Paste  
**Color:** Black  
**Odor:** Mild

**HMS:**

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

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

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

**Potential Health Effects**

**Inhalation:** May cause respiratory tract irritation.  
**Skin contact:** May cause skin irritation. May cause allergic skin reaction.  
**Eye contact:** May cause irritation.  
**Ingestion:** Not expected to be harmful by ingestion.

**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>	Greater than 93°C (200°F) Tagliabue closed cup (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>	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. 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. Soak up with inert absorbent. Store in a partly filled, closed container until disposal.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Keep away from heat, spark and flame. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation.
<b>Storage:</b>	For safe storage, store at or below 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>	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>	Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene, Butyl-rubber, or nitrile-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:** Paste

**Item No. :** AB8010 / IDH No. 745409

**Product name:** H8010 PART B BULK

**Color:** Black  
**Odor:** Mild  
**Vapor pressure:** Not available  
**pH:** Not applicable  
**Boiling point/range:** Decomposes at 149°C (300°F)  
**Melting point/range:** Not available  
**Specific gravity:** 1.15  
**Vapor density:** Not available  
**Evaporation rate:** Not available  
**Solubility in water:** Slight  
**Partition coefficient (n-octanol/water):** Not available  
**VOC content:** 0.949%; 9.49 grams/liter

## 10. STABILITY AND REACTIVITY

**Stability:** Stable.  
**Hazardous polymerization:** Will not occur.  
**Hazardous decomposition products:** Oxides of carbon. Irritating organic vapors.  
**Incompatibility:** Strong oxidizing agents. Strong acids and strong bases.  
**Conditions to avoid:** 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

**Product toxicity data:** Acute oral LD50 greater than 10, 000 mg/kg (rat). Acute dermal LD50 greater than 5000 mg/kg (rabbit)(estimated).

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Benzoyl peroxide 94-36-0	No	No	No
Epoxy resin Proprietary	No	No	No
Butyl benzyl phthalate 85-68-7	No	No	No
Phthalate ester Proprietary	No	No	No
Carbon black 1333-86-4	No	Group 2B	Yes

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Benzoyl peroxide 94-36-0	Allergen, Irritant, Mutagen
Epoxy resin Proprietary	Allergen, Irritant
Butyl benzyl phthalate 85-68-7	Central nervous system, Irritant, Reproductive, Blood, Pancreas, Liver, Kidney
Phthalate ester Proprietary	Irritant
Carbon black 1333-86-4	Respiratory, 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:** D003: Reactive.

### 14. TRANSPORT INFORMATION

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

**Proper shipping name:** Organic peroxide, Type E, solid, ( dibenzoyl peroxide )  
**Hazard class or division:** 5.2  
**Identification number:** UN 3108  
**Packing group:** II  
**Exceptions:** Consumer Commodity (Not more than 2.2 pounds (1 kg.))  
**Marine pollutant:** Butyl benzyl phthalate

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

**Proper shipping name:** Organic peroxide, Type E, solid ( Dibenzoyl peroxide )  
**Hazard class or division:** 5.2  
**Identification number:** UN3108  
**Packing group:** II

#### WaterTransportation (IMO/IMDG):

**Proper shipping name:** Organic peroxide, Type E, solid ( dibenzoyl peroxide )  
**Hazard class or division:** 5.2  
**Identification number:** UN3108  
**Packing group:** II  
**Marine pollutant:** Butyl Benzyl Phthalate

### 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.

**CERCLA/SARA Section 311/312:** Immediate Health Hazard, Delayed Health Hazard, Reactive

**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). Benzoyl peroxide (CAS# 94-36-0).

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

#### 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:** C, D.2.A, D.2.B

## 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 14

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