

Material Safety Data Sheet



Revision Number: 002.1

Issue date: 03/04/2009

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: H8000 SPEEDBONDR 490ML DUAL CQ
Product type: Acrylics
Company address: Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

IDH number: 702060
Item number: 36160_AA0800
Region: United States
Contact information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid
Color: Yellow, Opaque
Odor: Sharp

HMIS:
HEALTH: *2
FLAMMABILITY: 3
PHYSICAL HAZARD: 1
Personal Protection: See MSDS 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: Skin, Inhalation, Eyes, 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.

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 |
| Methacrylate ester | Proprietary | 1 - 5 |
| Talc | 14807-96-6 | 0.1 - 1 |

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

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| | |
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| Skin contact: | Wash with soap and water. Remove contaminated clothing and footwear. Wash clothing before reuse. If symptoms develop and persist, get medical attention. |
| 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. Never give anything by mouth to an unconscious person. Keep individual calm. Get medical attention. |

5. FIRE FIGHTING MEASURES

| | |
|--|---|
| Flash point: | 14 °C (57.2 °F) Setaflash 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 firefighting procedures: | Not available |
| 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 vapours. |

6. ACCIDENTAL RELEASE MEASURES

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

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| Environmental precautions: | Do not allow product to enter sewer or waterways. |
| Clean-up methods: | Remove all sources of ignition. Ensure adequate ventilation. 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

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| Handling: | Prevent contact with eyes, skin and clothing. Do not breathe 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: | For safe storage, store at or below 32 °C (89.6 °F) Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. |

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 (Sensitizer.) | 100 ppm (410 mg/m ³) TWA | None | 50 ppm |
| Methacrylate ester | None | None | None | None |
| Methacrylic acid | 20 ppm TWA | None | None | None |
| Synthetic rubber | None | None | None | None |
| Methacrylate ester | None | None | None | None |
| Talc | 2 mg/m ³ TWA Respirable fraction. | 20 MPPCF TWA 2.4 MPPCF TWA Respirable. 0.1 mg/m ³ TWA Respirable. 0.3 mg/m ³ TWA Total dust. | None | 50 ppm |

Engineering controls:

Provide adequate local exhaust ventilation to maintain worker exposure below 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:

Chemical resistant, impermeable gloves. Nitrile gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

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| Physical state: | Liquid |
| Color: | Yellow, Opaque |
| 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 (Adhesive and Activator mixed) |

10. STABILITY AND REACTIVITY

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| Stability: | Stable |
| Hazardous reactions: | May occur. |
| Hazardous decomposition products: | Oxides of carbon. Toxic fumes. Irritating organic vapours. Acrid smoke and fumes. |
| Incompatible materials: | Oxidizing agents. Reducing agents. Acids. Bases. |
| Conditions to avoid: | Heat, fumes, 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 (0.22 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 |
| Methacrylate ester | No | No | No |
| Talc | No | No | No |

| 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 |
| Methacrylate ester | Irritant, Allergen |
| Talc | Irritant, Lung, 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: Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number: D001: Ignitable.

14. TRANSPORT INFORMATION

When transporting as a set (component A and B) then the following dangerous good classification is used: UN 3269 Polyester resin kit, 3, III.

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
Exceptions: (Not more than 5 L), ORM-D, Consumer Commodity

International Air Transportation (ICAO/IATA)

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

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.

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| 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: | Immediate Health, Delayed Health, 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). |
| 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

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|-----------------------------|---|
| CEPA DSL/NDL 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.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: Kyra Kozak Woods, Manager, Regulatory Affairs

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