



Revision Date: 06/18/2008

Issue date: 06/18/2008

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: H4200 PART B
Product type: Acrylics
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No. : 83038_AB0320 / IDH No. 717741
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 (sensitizer) | 100 ppm TWA 410 mg/m ³ TWA | 50 ppm |
| Aldehyde-amine condensate Proprietary | 10-30 | None | None | None |
| Nepheline syenite 37244-96-5 | 5-10 | None | None | None |
| Treated fumed silica 67762-90-7 | 1-5 | 10mg/m ³ Inhalable fraction, 3mg/m ³ Respirable fraction, TWA | 5mg/m ³ Respirable dust, 15mg/m ³ Total dust | None |
| Toluene 108-88-3 | 0.1-1 | 20 ppm TWA | 200 ppm TWA 300 ppm Ceiling | None |

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

Physical state: Paste
Color: Orange Opaque
Odor: Strong

HMIS:

HEALTH: 2*
FLAMMABILITY: 3
PHYSICAL HAZARD: 1
Personal Protection: See 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: Inhalation, Skin contact, Eye contact, 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: Contact with eyes will 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: | 14°C (58°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 fire fighting procedures: | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. |
| 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. Oxides of nitrogen. 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. Neoprene, Butyl-rubber, or nitrile-rubber 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: | Paste |
| Color: | Orange Opaque |
| Odor: | Strong |
| Vapor pressure: | 29 mmHg at 20 °C (68 °F) |
| pH: | Not applicable |
| Boiling point/range: | Greater than 100°C (212°F) |
| Melting point/range: | Not available |
| Specific gravity: | 1.03 |
| Vapor density: | Greater than 1 |
| Evaporation rate: | Faster than ether (Ether = 1) |
| Solubility in water: | Slight |
| Partition coefficient (n-octanol/water): | Not available |
| VOC content: | 9.01%; 95.5 grams/liter |

10. STABILITY AND REACTIVITY

| | |
|-----------------------------------|--|
| Stability: | Stable. |
| Hazardous polymerization: | May occur. |
| Hazardous decomposition products: | Oxides of carbon. Oxides of nitrogen. Toxic fumes. Irritating organic vapors. |
| Incompatibility: | Oxidizing agents. Reducing agents. Acids. Bases. Alkalis. Heat, sunlight, or UV light. |
| 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

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 |
| Nepheline syenite 37244-96-5 | No | No | No |
| Treated fumed silica 67762-90-7 | No | No | No |
| Toluene 108-88-3 | 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 |
| Nepheline syenite 37244-96-5 | No Target Organs |
| Treated fumed silica 67762-90-7 | Irritant |
| Toluene 108-88-3 | Behavioral, Cardiac, Central nervous system, Developmental, Ear, 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.

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)

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

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 and birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDL Status: Contains one or more components listed on the Non-Domestic Substances list.
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: 2, 11, 15

Prepared by: Kyra Kozak Woods, Manager, Regulatory Affairs
For Safety and Regulatory Information contact:
Product Safety and Regulatory Affairs,
Rocky Hill, CT.
860-571-5204

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Corporation has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Henkel Corporation's products. In light of the foregoing, Henkel Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.