



Revision Number: 004.0

Issue date: 01/06/2009

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Kit 83001 PART B
Product use: Adhesive
Company address: Henkel Canada Corporation
 2225 Meadowpine Boulevard
 Mississauga, Ontario L5N 7P2
IDH number: 702096
Item number: 83001_AB0300
Region: Canada
Contact information:
 Telephone: 905.814.6511
 Emergency telephone: 905.814.6511
 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Paste
Color: Opaque, Tan
Odor: Strong
WHMIS hazard class: B.2, D.2.A, D.2.B

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

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

Potential Health Effects

Inhalation: Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.
Skin contact: Causes skin irritation. 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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous components | CAS NUMBER | % |
|---------------------------|-------------|----------|
| Methyl methacrylate | 80-62-6 | 60 - 100 |
| Acrylic Polymer | Unknown | 10 - 30 |
| Nepheline syenite | 37244-96-5 | 5 - 10 |
| Aldehyde-amine condensate | Proprietary | 1 - 5 |
| Toluene | 108-88-3 | 0.1 - 1 |

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If symptoms develop and persist, get medical attention.
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. 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: 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 nitrogen. Oxides of carbon. Toxic fumes. Acrid smoke and fumes. Irritating organic vapours.

Sensitivity to Mechanical Impact: Not available

Sensitivity to static discharge: Not available

6. ACCIDENTAL RELEASE MEASURES

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

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

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 Canada Customer Service at (905) 814-6511.

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 |
| Acrylic Polymer | None | None | None | None |
| Nepheline syenite | None | None | None | None |
| Aldehyde-amine condensate | None | None | None | None |
| Toluene | 20 ppm TWA | 200 ppm TWA 300 ppm Ceiling 500 ppm MAX. CONC 10 minutes | None | None |

| | |
|--------------------------------|---|
| 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. Neoprene, Butyl-rubber, or nitrile-rubber gloves. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--------------------------------------|
| Physical state: | Paste |
| Color: | Opaque, Tan |
| Odor: | Strong |
| 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: | 1.03 |
| Vapor density: | > 1 |
| Flash point: | 14 °C (57.2 °F) Setaflash 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: | Slight |
| Partition coefficient (n-octanol/water): | Not available |
| VOC content: | 1.11 %; 11.7 g/l Estimated |

10. STABILITY AND REACTIVITY

| | |
|--|---|
| Stability: | Stable |
| Hazardous reactions: | May occur. |
| Hazardous decomposition products: | Oxides of carbon. Oxides of nitrogen. Toxic fumes. Irritating organic vapours. |
| Incompatible materials: | 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 (0.22 pounds) unless you plan to use immediately. |

11. TOXICOLOGICAL INFORMATION

| | |
|--|---------------|
| Toxicologically synergistic products: | Not available |
|--|---------------|

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

| Hazardous components | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) | ACGIH Carcinogen |
|---------------------------|----------------|-----------------|---|------------------|
| Methyl methacrylate | No | No | No | Group A4 |
| Acrylic Polymer | No | No | No | No |
| Nepheline syenite | No | No | No | No |
| Aldehyde-amine condensate | No | No | No | No |
| Toluene | No | No | No | Group A4 |

| Hazardous components | LD50s and LC50s | Health Effects/Target Organs |
|---------------------------|---|---|
| Methyl methacrylate | Oral LD50 (RAT) = 9,400 mg/kg Oral LD50 (RAT) = 7,800 mg/kg Oral LD50 (rabbit) = 6,000 mg/kg Inhalation LC50 (RAT, 8 h) = 3,750 mg/l | Allergen, Irritant, Kidney, Liver, Mutagen, Nervous System, Respiratory |
| Acrylic Polymer | None | No Data |
| Nepheline syenite | None | No Target Organs |
| Aldehyde-amine condensate | None | No Records |
| Toluene | Oral LD50 (RAT) = 2,600 - 7,500 mg/kg Oral LD50 (RAT) = 5,000 mg/kg Dermal LD50 (rabbit) = 12,124 mg/kg Inhalation LC50 (RAT, 1 h) = 26,700 mg/l | 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: Follow all local, state, federal and provincial regulations for disposal.

14. TRANSPORT INFORMATION

The shipping classification in this section are for bulk packaging only. Shipping classification may be different for non-bulk packaging as exceptions may apply. Refer to shipping documents for package specific transportation classification.

Canada Transportation of Dangerous Goods - Ground

Proper shipping name: ADHESIVES
Hazard class or division: 3
Identification number: UN 1133
Packing group: II
Exceptions: May qualify as a Consumer Commodity or Limited Quantity. Refer to TDG regulations.

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: UN 1133
Packing group: II

15. REGULATORY INFORMATION

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

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.

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format. 3, 8, 11, 15

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR), and the MSDS contains all the information required by the CPR.

Prepared by: Kyra Kozak Woods, Manager, Regulatory Affairs

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.