



Revision Number: 003.0

Issue date: 02/10/2009

## 1. PRODUCT AND COMPANY IDENTIFICATION

|                               |                                       |                     |               |
|-------------------------------|---------------------------------------|---------------------|---------------|
| <b>Product name:</b>          | <b>Loctite(R) SpeedBonder(TM) 325</b> | <b>IDH number:</b>  | 198322        |
|                               | <b>Adhesive</b>                       |                     |               |
| <b>Product type:</b>          | Anaerobic Adhesive                    | <b>Item number:</b> | 32586         |
|                               |                                       | <b>Region:</b>      | United States |
| <b>Company address:</b>       | <b>Contact information:</b>           |                     |               |
| Henkel Corporation            | Telephone: 860.571.5100               |                     |               |
| 1001 Trout Brook Crossing     | Emergency telephone: 860.571.5100     |                     |               |
| Rocky Hill, Connecticut 06067 | Internet: www.henkelna.com            |                     |               |

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

|                        |              |                             |                    |
|------------------------|--------------|-----------------------------|--------------------|
| <b>Physical state:</b> | Liquid       | <b>HEALTH:</b>              | *2                 |
| <b>Color:</b>          | Light yellow | <b>FLAMMABILITY:</b>        | 1                  |
| <b>Odor:</b>           | Sharp        | <b>PHYSICAL HAZARD:</b>     | 1                  |
|                        |              | <b>Personal Protection:</b> | See MSDS Section 8 |

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

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

### Potential Health Effects

|                      |                                                                                        |
|----------------------|----------------------------------------------------------------------------------------|
| <b>Inhalation:</b>   | May cause respiratory tract irritation. May cause irritation to nose and throat.       |
| <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 be harmful if swallowed. May cause gastrointestinal tract irritation if swallowed. |

**Existing conditions aggravated by exposure:** Eye, skin, and respiratory disorders. Acrylic acid: Respiratory disorders. Lung disease.

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  | %       |
|---------------------------------|-------------|---------|
| Polyurethane Methacrylate Resin | Proprietary | 30 - 60 |
| Polyglycol dimethacrylate       | 109-16-0    | 10 - 30 |
| Hydroxyalkyl methacrylate       | 27813-02-1  | 10 - 30 |
| Acrylic acid                    | 79-10-7     | 1 - 5   |
| Saccharin                       | 81-07-2     | 1 - 5   |
| Tert-butyl perbenzoate          | 614-45-9    | 1 - 5   |
| Methanol                        | 67-56-1     | 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> | Wash with soap and water. Remove contaminated clothing and footwear. Wash clothing before reuse. If symptoms develop and persist, get medical attention. |
| <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. Never give anything by mouth to an unconscious person. Keep individual calm. Get medical attention.                              |

#### 5. FIRE FIGHTING MEASURES

|                                            |                                                                                                          |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Flash point:</b>                        | > 100 °C (> 212°F) Tagliabue closed cup                                                                  |
| <b>Autoignition temperature:</b>           | Not available                                                                                            |
| <b>Flammable/Explosive limits - lower:</b> | 2 % (Acrylic Acid)                                                                                       |
| <b>Flammable/Explosive limits - upper:</b> | 8 % (Acrylic Acid)                                                                                       |
| <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>  | None expected.                                                                                           |
| <b>Hazardous combustion products:</b>      | Oxides of carbon. Oxides of nitrogen. Irritating organic vapours. Isocyanates. Hydrogen cyanide. Amines. |

#### 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>          | 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

|                  |                                                                                                                                                                                           |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Handling:</b> | Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not taste or swallow.                 |
| <b>Storage:</b>  | For safe storage, store at or below 38 °C (100.4 °F)<br>Keep in a cool, well ventilated area away from heat, sparks and open flame.<br>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                             |
|---------------------------------|---------------------------------------|-----------------------------------------|-----------|-----------------------------------|
| Polyurethane Methacrylate Resin | None                                  | None                                    | None      | None                              |
| Polyglycol dimethacrylate       | None                                  | None                                    | None      | None                              |
| Hydroxyalkyl methacrylate       | None                                  | None                                    | None      | 1 ppm TWA<br>3 ppm STEL           |
| Acrylic acid                    | 2 ppm TWA<br>(SKIN)                   | None                                    | None      | 1 ppm TWA<br>3 ppm STEL<br>(SKIN) |
| Saccharin                       | None                                  | None                                    | None      | None                              |
| Tert-butyl perbenzoate          | None                                  | None                                    | None      | None                              |
| Methanol                        | 200 ppm TWA<br>250 ppm STEL<br>(SKIN) | 200 ppm (260<br>mg/m <sup>3</sup> ) TWA | 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:**

Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves. Butyl rubber gloves. Natural rubber gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                          |                                         |
|------------------------------------------|-----------------------------------------|
| Physical state:                          | Liquid                                  |
| Color:                                   | Light yellow                            |
| Odor:                                    | Sharp                                   |
| Odor threshold:                          | Not available                           |
| pH:                                      | Not available                           |
| Vapor pressure:                          | < 10 mm Hg (25 °C (77°F))               |
| Boiling point/range:                     | > 100 °C (> 212°F)                      |
| Melting point/ range:                    | Not available                           |
| Specific gravity:                        | 1.1                                     |
| Vapor density:                           | Not available                           |
| Flash point:                             | > 100 °C (> 212°F) Tagliabue closed cup |
| Flammable/Explosive limits - lower:      | 2 % (Acrylic Acid)                      |
| Flammable/Explosive limits - upper:      | 8 % (Acrylic Acid)                      |
| Autoignition temperature:                | Not available                           |
| Evaporation rate:                        | Not available                           |
| Solubility in water:                     | Slight                                  |
| Partition coefficient (n-octanol/water): | Not available                           |
| VOC content:                             | 2.18 %; 20.85 g/l                       |

## 10. STABILITY AND REACTIVITY

|                                   |                                                                                                          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------|
| Stability:                        | Stable                                                                                                   |
| Hazardous reactions:              | Will not occur.                                                                                          |
| Hazardous decomposition products: | Oxides of carbon. Oxides of nitrogen. Irritating organic vapours. Isocyanates. Hydrogen cyanide. Amines. |
| Incompatible materials:           | Strong oxidizing agents. Reducing agents. Acids. Bases. Heavy metals. Free radical initiators.           |
| Conditions to avoid:              | Store away from incompatible materials. Keep away from heat, spark and flame.                            |

## 11. TOXICOLOGICAL INFORMATION

| Hazardous components            | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen<br>(Specifically Regulated) |
|---------------------------------|----------------|-----------------|---------------------------------------------|
| Polyurethane Methacrylate Resin | No             | No              | No                                          |
| Polyglycol dimethacrylate       | No             | No              | No                                          |
| Hydroxyalkyl methacrylate       | No             | No              | No                                          |
| Acrylic acid                    | No             | No              | No                                          |
| Saccharin                       | No             | No              | No                                          |
| Tert-butyl perbenzoate          | No             | No              | No                                          |
| Methanol                        | No             | No              | No                                          |

| Hazardous components            | Health Effects/Target Organs                                                  |
|---------------------------------|-------------------------------------------------------------------------------|
| Polyurethane Methacrylate Resin | No Data                                                                       |
| Polyglycol dimethacrylate       | Irritant, Allergen                                                            |
| Hydroxyalkyl methacrylate       | Irritant, Allergen                                                            |
| Acrylic acid                    | Allergen, Corrosive, Irritant, Kidney, Liver                                  |
| Saccharin                       | No Target Organs                                                              |
| Tert-butyl perbenzoate          | Central nervous system, Irritant, Mutagen                                     |
| Methanol                        | Eyes, Heart, Irritant, Kidney, Liver, Metabolic, Nervous System, Reproductive |

## 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.

Hazardous waste number: Not a RCRA hazardous waste.

## 14. TRANSPORT INFORMATION

The shipping classifications in this sections are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

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

Proper shipping name: Not regulated  
Hazard class or division: None  
Identification number: None  
Packing group: None

### International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated  
Hazard class or division: None  
Identification number: None  
Packing group: None

### Water Transportation (IMO/IMDG)

Proper shipping name: Not regulated  
Hazard class or division: None  
Identification number: None  
Packing group: 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.

|                                        |                                                                                                                                                                                                                       |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TSCA 12(b) Export Notification:</b> | None above reporting de minimus                                                                                                                                                                                       |
| <b>CERCLA/SARA Section 302 EHS:</b>    | None above reporting de minimus                                                                                                                                                                                       |
| <b>CERCLA/SARA Section 311/312:</b>    | Immediate Health, Delayed Health                                                                                                                                                                                      |
| <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). Acrylic acid (CAS# 79-10-7). |
| <b>California Proposition 65:</b>      | This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.               |

#### **Canada Regulatory Information**

|                             |                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------|
| <b>CEPA DSL/NDL Status:</b> | All components are listed on or are exempt from listing on the Canadian Domestic Substances List. |
| <b>WHMIS hazard class:</b>  | D.2.A, 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. 2,3,4,5,8,9,10,11, and 15

**Prepared by:** Jennifer Glieco, Regulatory Affairs Specialist

**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.