



Revision Number: 004.0

Issue date: 08/20/2014

## 1. PRODUCT AND COMPANY IDENTIFICATION

|   |   |                     |                |
|---|---|---------------------|----------------|
| <b>Product name:</b>  | <b>LOCTITE MR 5000RP known as Kit 96677</b>   | <b>IDH number:</b>  | 702224         |
| <b>Product type:</b>  | Polyurethane hardener   | <b>Item number:</b> | 96677_00274000 |
| <b>Restriction of Use:</b>  | None identified   | <b>Region:</b>      | United States  |
| <b>Company address:</b>   | <b>Contact information:</b><br>Telephone: (860) 571-5100<br>MEDICAL EMERGENCY Phone: Poison Control Center<br>1-877-671-4608 (toll free) or 1-303-592-1711<br>TRANSPORT EMERGENCY Phone: CHEMTREC<br>1-800-424-9300 (toll free) or 1-703-527-3887<br>Internet: www.henkelna.com |                     |                |
| Henkel Corporation<br>One Henkel Way<br>Rocky Hill, Connecticut 06067 |   |                     |                |

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**DANGER:** CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.  
MAY CAUSE AN ALLERGIC SKIN REACTION.  
HARMFUL IF INHALED.

| HAZARD CLASS              | HAZARD CATEGORY |
|---------------------------|-----------------|
| ACUTE TOXICITY INHALATION | 4               |
| SKIN CORROSION            | 1C              |
| SERIOUS EYE DAMAGE        | 1               |
| SKIN SENSITIZATION        | 1               |

### PICTOGRAM(S)



### Precautionary Statements

|                    |   |
|--------------------|---|
| <b>Prevention:</b> | Do not breathe vapors, mist, or spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection, and face protection.  |
| <b>Response:</b>   | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Immediately call a poison control center or physician. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse. |
| <b>Storage:</b>    | Store locked up.  |
| <b>Disposal:</b>   | Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.   |

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous Component(s) | CAS Number  | Percentage* |
|------------------------|-------------|-------------|
| Ethylene glycol        | 107-21-1    | 5 - 10      |
| Substituted amine      | Proprietary | 1 - 5       |
| Treated fumed silica   | 67762-90-7  | 1 - 5       |
| Glyceridic oil         | Proprietary | 1 - 5       |
| Carbon black           | 1333-86-4   | 0.1 - 1     |
| Silane derivative      | Proprietary | 0.1 - 1     |
| Filler                 | Proprietary | 0.1 - 1     |

\* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

### 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> | Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse. |
| <b>Eye contact:</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.  |
| <b>Ingestion:</b>    | DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.  |
| <b>Symptoms:</b>     | See Section 11.  |

### 5. FIRE FIGHTING MEASURES

|   |  |
|---|--|
| <b>Extinguishing media:</b>               | Water spray (fog), 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. In case of fire, keep containers cool with water spray. |
| <b>Unusual fire or explosion hazards:</b> | Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.  |
| <b>Hazardous combustion products:</b>     | Oxides of carbon, oxides of nitrogen, irritating organic vapors. Alcohols. Aldehydes. Ethers.  |

### 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>          | Remove all sources of ignition. Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up as much material as possible. Store in a partly filled, closed container until disposal. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. |

## 7. HANDLING AND STORAGE

**Handling:**

Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed. Refer to Section 8.

**Storage:**

Avoid moisture. Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Store away from heat, sparks, flames, or other sources of ignition. Store in original container until ready to 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 Component(s) | ACGIH TLV  | OSHA PEL   | AIHA WEEL | OTHER |
|------------------------|--|--|-----------|-------|
| Ethylene glycol        | 100 mg/m3 Ceiling Aerosol.                                       | None   | None      | None  |
| Substituted amine      | None   | None   | None      | None  |
| Treated fumed silica   | 10 mg/m3 TWA Inhalable dust.<br>3 mg/m3 TWA Respirable fraction. | 15 mg/m3 TWA Total dust.<br>5 mg/m3 TWA Respirable fraction. | None      | None  |
| Glyceridic oil         | None   | None   | None      | None  |
| Carbon black           | 3 mg/m3 TWA Inhalable fraction.                                  | 3.5 mg/m3 PEL  | None      | None  |
| Silane derivative      | None   | None   | None      | None  |
| Filler                 | None   | None   | None      | None  |

**Engineering controls:**

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

**Respiratory protection:**

Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.

**Eye/face protection:**

Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.

**Skin protection:**

Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |   |
|---|---|
| <b>Physical state:</b>                          | Liquid  |
| <b>Color:</b>                                   | Light, Cream                                  |
| <b>Odor:</b>                                    | Mild  |
| <b>Odor threshold:</b>                          | Not available.                                |
| <b>pH:</b>                                      | Not available.                                |
| <b>Vapor pressure:</b>                          | Not available.                                |
| <b>Boiling point/range:</b>                     | 197 °C (386.6 °F)                             |
| <b>Melting point/ range:</b>                    | Not available.                                |
| <b>Specific gravity:</b>                        | 1.0696  |
| <b>Vapor density:</b>                           | Not available.                                |
| <b>Flash point:</b>                             | > 93.33 °C (> 199.99 °F) Setaflash Closed Cup |
| <b>Flammable/Explosive limits - lower:</b>      | Not available.                                |
| <b>Flammable/Explosive limits - upper:</b>      | Not available.                                |
| <b>Autoignition temperature:</b>                | Not available.                                |
| <b>Evaporation rate:</b>                        | Not available.                                |
| <b>Solubility in water:</b>                     | Slightly soluble                              |
| <b>Partition coefficient (n-octanol/water):</b> | Not available.                                |

VOC content: 0.0 % California SCAQMD Method 316B  
 Viscosity: Not available.  
 Decomposition temperature: Not available.

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of storage and use.

**Hazardous reactions:** None under normal processing.

**Hazardous decomposition products:** Oxides of carbon. Oxides of nitrogen. Alcohols. Aldehydes. Ethers. Irritating organic vapours.

**Incompatible materials:** Oxidizing agents. Acids. Bases. Nitrates.

**Reactivity:** Not available.

**Conditions to avoid:** Avoid moisture. Elevated temperatures. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

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

### Potential Health Effects/Symptoms

**Inhalation:** Harmful if inhaled. May cause irritation to nose and throat.  
**Skin contact:** Corrosive to skin. Causes skin burns. May cause allergic skin reaction. Rash. Redness.  
**Eye contact:** Causes serious eye damage. Burns. Redness. Pain and discomfort. Tissue damage.  
**Ingestion:** Irritation and corrosive action can occur in the mouth, stomach tissue and digestive tract if swallowed. May cause burns of mouth and throat if swallowed.

| Hazardous Component(s) | LD50s and LC50s   | Immediate and Delayed Health Effects  |
|------------------------|---|---|
| Ethylene glycol        | Oral LD50 (RAT) = 5.89 g/kg<br>Dermal LD50 (RABBIT) = 9,530 mg/kg | Blood, Bone Marrow, Central nervous system, Developmental, Eyes, Irritant, Kidney, Liver, Metabolic |
| Substituted amine      | None  | Corrosive, Irritant   |
| Treated fumed silica   | None  | Irritant  |
| Glyceridic oil         | None  | Irritant  |
| Carbon black           | Oral LD50 (RAT) = > 8,000 mg/kg                                   | Respiratory, Some evidence of carcinogenicity   |
| Silane derivative      | None  | Irritant, Allergen  |
| Filler                 | None  | Corrosive, Irritant   |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|------------------------|----------------|-----------------|--|
| Ethylene glycol        | No             | No              | No                                       |
| Substituted amine      | No             | No              | No                                       |
| Treated fumed silica   | No             | No              | No                                       |
| Glyceridic oil         | No             | No              | No                                       |
| Carbon black           | No             | Group 2B        | No                                       |
| Silane derivative      | No             | No              | No                                       |
| Filler                 | No             | No              | No                                       |

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available.

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

|  |  |
|--|--|
| <b>Recommended method of disposal:</b> | Follow all local, state, federal and provincial regulations for disposal.  |
| <b>Hazardous waste number:</b>         | It is the responsibility of the user to determine if an item is hazardous as defined in the Resource Conservation and Recovery Act (RCRA) at the time of disposal. Product uses, transformations, mixtures, processes, etc., may render the resulting material hazardous, under the criteria of ignitability, corrosivity, reactivity and toxicity characteristics of the Toxicity Characteristics Leaching Procedure (TCLP) 40 CFR 261.20-24. |

## 14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

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

|                                  |   |
|----------------------------------|---|
| <b>Proper shipping name:</b>     | Amines, liquid, corrosive, n.o.s. (Trimethylolpropane polyoxypropylenetriamine) |
| <b>Hazard class or division:</b> | 8   |
| <b>Identification number:</b>    | UN 2735   |
| <b>Packing group:</b>            | III   |

### International Air Transportation (ICAO/IATA)

|                                  |   |
|----------------------------------|---|
| <b>Proper shipping name:</b>     | Amines, liquid, corrosive, n.o.s. (Trimethylolpropane polyoxypropylenetriamine) |
| <b>Hazard class or division:</b> | 8   |
| <b>Identification number:</b>    | UN 2735   |
| <b>Packing group:</b>            | III   |

### Water Transportation (IMO/IMDG)

|                                  |   |
|----------------------------------|---|
| <b>Proper shipping name:</b>     | AMINES, LIQUID, CORROSIVE, N.O.S. (Trimethylolpropane polyoxypropylenetriamine) |
| <b>Hazard class or division:</b> | 8   |
| <b>Identification number:</b>    | UN 2735   |
| <b>Packing group:</b>            | III   |

## 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 above reporting de minimis   |
| <b>CERCLA/SARA Section 302 EHS:</b>     | None above reporting de minimis   |
| <b>CERCLA/SARA Section 311/312:</b>     | Immediate Health, Delayed Health  |
| <b>CERCLA/SARA Section 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). Ethylene glycol (CAS# 107-21-1). |
| <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> | 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. |
|-----------------------------|---|

## 16. OTHER INFORMATION

**This safety data sheet contains changes from the previous version in sections:** New Safety Data Sheet format.

**Prepared by:** Sheila Gines, Regulatory Affairs Specialist

**Issue date:** 08/20/2014

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