



Revision Number: 005.0

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### 1. PRODUCT AND COMPANY IDENTIFICATION

|                               |  |                     |               |
|-------------------------------|--|---------------------|---------------|
| <b>Product name:</b>          | Fixmaster® Metal Magic Steel(TM)               | <b>IDH number:</b>  | 209681        |
|                               | Epoxy  |                     |               |
| <b>Product type:</b>          | Epoxy stick                                    | <b>Item number:</b> | 98853         |
| <b>Restriction of Use:</b>    | None identified                                | <b>Region:</b>      | United States |
| <b>Company address:</b>       | <b>Contact information:</b>                    |                     |               |
| Henkel Corporation            | Telephone: (860) 571-5100                      |                     |               |
| One Henkel Way                | MEDICAL EMERGENCY Phone: Poison Control Center |                     |               |
| Rocky Hill, Connecticut 06067 | 1-877-671-4608 (toll free) or 1-303-592-1711   |                     |               |
|                               | TRANSPORT EMERGENCY Phone: CHEMTREC            |                     |               |
|                               | 1-800-424-9300 (toll free) or 1-703-527-3887   |                     |               |
|                               | Internet: www.henkelna.com                     |                     |               |

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**WARNING:** CAUSES SKIN IRRITATION.  
MAY CAUSE AN ALLERGIC SKIN REACTION.  
CAUSES SERIOUS EYE IRRITATION.

| HAZARD CLASS       | HAZARD CATEGORY |
|--------------------|-----------------|
| SKIN IRRITATION    | 2               |
| EYE IRRITATION     | 2A              |
| SKIN SENSITIZATION | 1               |

#### PICTOGRAM(S)



#### Precautionary Statements

|                    |   |
|--------------------|---|
| <b>Prevention:</b> | Avoid breathing vapors, mist, or spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear eye and face protection. Wear protective gloves.  |
| <b>Response:</b>   | IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing. |
| <b>Storage:</b>    | Not prescribed  |
| <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* |
|----------------------------|-------------|-------------|
| Talc                       | 14807-96-6  | 30 - 60     |
| Iron                       | 7439-89-6   | 10 - 30     |
| Epoxy resin                | Proprietary | 10 - 30     |
| Glass, oxide, chemicals    | 65997-17-3  | 10 - 30     |
| Polyether polymercaptan    | Unknown     | 5 - 10      |
| Substituted aminophenol    | Proprietary | 5 - 10      |
| Treated fumed silica       | 67762-90-7  | 1 - 5       |
| Quartz (SiO <sub>2</sub> ) | 14808-60-7  | 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 not breathing, give artificial respiration. If breathing is difficult, give oxygen. 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.  |
| <b>Unusual fire or explosion hazards:</b> | In case of fire, keep containers cool with water spray. 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 sulfur. Halogenated compounds. Metal oxide fumes. Irritating vapors.  |

#### 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. Refer to Section 8 "Exposure Controls / Personal Protection" prior to 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. |

## 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:

For safe storage, store at or below 32 °C (89.6 °F). 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. Protect from direct sunlight.

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  |
|----------------------------|--|--|-----------|--------|
| Talc                       | 2 mg/m <sup>3</sup> TWA<br>Respirable fraction.  | 20 MPPCF TWA<br>2.4 MPPCF TWA<br>Respirable.<br>0.1 mg/m <sup>3</sup> TWA<br>Respirable.<br>0.3 mg/m <sup>3</sup> TWA Total<br>dust. | None      | 50 ppm |
| Iron                       | None   | None   | None      | None   |
| Epoxy resin                | None   | None   | None      | None   |
| Glass, oxide, chemicals    | 10 mg/m <sup>3</sup> TWA<br>Inhalable dust.<br>3 mg/m <sup>3</sup> TWA<br>Respirable fraction.<br>5 mg/m <sup>3</sup> TWA<br>Inhalable fraction.<br>1 FIBERS/CM <sup>3</sup> TWA<br>Fiber. | 15 mg/m <sup>3</sup> TWA Total<br>dust.<br>5 mg/m <sup>3</sup> TWA<br>Respirable fraction.   | None      | None   |
| Polyether polymercaptopan  | None   | None   | None      | None   |
| Substituted aminophenol    | None   | None   | None      | None   |
| Treated fumed silica       | 10 mg/m <sup>3</sup> TWA<br>Inhalable dust.<br>3 mg/m <sup>3</sup> TWA<br>Respirable fraction.   | 15 mg/m <sup>3</sup> TWA Total<br>dust.<br>5 mg/m <sup>3</sup> TWA<br>Respirable fraction.   | None      | None   |
| Quartz (SiO <sub>2</sub> ) | 0.025 mg/m <sup>3</sup> TWA<br>Respirable fraction.  | 2.4 MPPCF TWA<br>Respirable.<br>0.1 mg/m <sup>3</sup> TWA<br>Respirable.<br>0.3 mg/m <sup>3</sup> TWA Total<br>dust.                 | 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. Neoprene, Butyl-rubber, or nitrile-rubber gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |  |
|--|--|
| Physical state:                          | Putty  |
| Color:                                   | Metallic, Black                              |
| Odor:                                    | Mercaptan, Sulfur                            |
| Odor threshold:                          | Not available.                               |
| pH:                                      | Not applicable                               |
| Vapor pressure:                          | Not determined                               |
| Boiling point/range:                     | Not available.                               |
| Melting point/ range:                    | Not applicable                               |
| Specific gravity:                        | 2.247  |
| Vapor density:                           | Not applicable                               |
| Flash point:                             | > 93.3 °C (> 199.94 °F) Setaflash Closed Cup |
| Flammable/Explosive limits - lower:      | Not applicable                               |
| Flammable/Explosive limits - upper:      | Not applicable                               |
| Autoignition temperature:                | Not applicable                               |
| Evaporation rate:                        | Not applicable                               |
| Solubility in water:                     | Insoluble                                    |
| Partition coefficient (n-octanol/water): | Not available.                               |
| VOC content:                             | < 1 %  |
| 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 sulfur. Halogenated compounds. Metal oxide fumes. Irritating vapors.   |
| Incompatible materials:           | None identified.   |
| Reactivity:                       | Not available.   |
| Conditions to avoid:              | Elevated temperatures. Protect from direct sunlight. 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:** Inhalation of vapors or mists of the product may be irritating to the respiratory system. Contains crystalline silica (quartz), which is classified as a possible carcinogen. However, the crystalline silica present in this product is encapsulated in the liquid and will only be liberated if the product is sanded or abraded, and even then what is liberated will not be pure crystalline silica. Appropriate precautions, however, should be taken if the product is sanded or abraded to prevent personnel from breathing the dust.

**Skin contact:** Causes skin irritation. May cause allergic skin reaction.

**Eye contact:** Causes serious eye irritation.

**Ingestion:** May cause gastrointestinal tract irritation if swallowed.

| Hazardous Component(s)     | LD50s and LC50s | Immediate and Delayed Health Effects                  |
|----------------------------|-----------------|---|
| Talc                       | None            | Irritant, Lung, Some evidence of carcinogenicity      |
| Iron                       | None            | Eyes, Lung  |
| Epoxy resin                | None            | Allergen, Irritant                                    |
| Glass, oxide, chemicals    | None            | Allergen, Respiratory                                 |
| Polyether polymercaptan    | None            | No Data   |
| Substituted aminophenol    | None            | Irritant, Allergen                                    |
| Treated fumed silica       | None            | Irritant  |
| Quartz (SiO <sub>2</sub> ) | None            | Immune system, Lung, Some evidence of carcinogenicity |

| Hazardous Component(s)     | NTP Carcinogen                | IARC Carcinogen | OSHA Carcinogen<br>(Specifically Regulated) |
|----------------------------|-------------------------------|-----------------|---|
| Talc                       | No                            | Group 2B        | No  |
| Iron                       | No                            | No              | No  |
| Epoxy resin                | No                            | No              | No  |
| Glass, oxide, chemicals    | No                            | Group 2B        | No  |
| Polyether polymercaptan    | No                            | No              | No  |
| Substituted aminophenol    | No                            | No              | No  |
| Treated fumed silica       | No                            | No              | No  |
| Quartz (SiO <sub>2</sub> ) | Known To Be Human Carcinogen. | Group 1         | No  |

### 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:** Not a RCRA hazardous waste.

### 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)

**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**

|   |   |
|---|---|
| <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>         | None above reporting de minimis   |
| <b>California Proposition 65:</b>       | No California Proposition 65 listed chemicals are known to be present.                              |

**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. |
|-----------------------------|---|

**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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