



Revision Date: 12/15/2004

Issue date: 09/20/2005

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Fixmaster® Metal Magic Steel(TM) Epoxy
Product type: Epoxy stick
Company address:
 Henkel Corporation
 1001 Trout Brook Crossing
 Rocky Hill, Connecticut 06067

Item No. : 98853
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> |
|--|----------|--|--|--------------|
| Talc 14807-96-6 | 30-60 | 2 mg/m ³ TWA respirable fraction, particulate matter containing no asbestos and < 1% crystalline silica | = 20 mppcf TWA | 50 ppm |
| Epichlorohydrin-4,4'-isopropylidene diphenol resin 25068-38-6 | 10-30 | None | None | None |
| Soda lime borosilicate glass 65997-17-3 | 10-30 | 1 f/cc TWA respirable fibers: length > 5 µm, aspect ratio equal to or greater than 3:1, as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination. 5 mg/m ³ TWA inhalable fraction | None | None |
| Polyether polymercaptan UNKNOWN | 5-10 | None | None | None |
| Phenol, 2,4,6-tris[(dimethylamino)methyl] 90-72-2 | 5-10 | None | None | None |
| Silica, quartz 14808-60-7 | 5-10 | 0.05 mg/m ³ TWA respirable fraction | 0.1mg/m ³ TWA (respirable) | 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 |

3. HAZARDS IDENTIFICATION

Item No. : 98853

Product name: Fixmaster® Metal Magic Steel(TM) Epoxy

EMERGENCY OVERVIEW

HMIS:

Physical state: Putty
Color: Black Metallic
Odor: Sulfur, Mercaptan

HEALTH:
FLAMMABILITY:
PHYSICAL HAZARD:
Personal Protection:

1*
1
0
See Section 8

WARNING: MAY CAUSE ALLERGIC SKIN REACTION.
MAY CAUSE EYE AND SKIN IRRITATION.

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

Potential Health Effects

Inhalation:

Not a relevant route of exposure. Contains crystalline silica (quartz), which is classified as a possible carcinogen. However, the crystalline silica present in this product is encapsulated in the epoxy resin and will only be liberated if the product is sanded or abraded, and even then what is liberated will not be a 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:

Irritating to skin. May cause allergic skin reaction.

Eye contact:

Contact with eyes will cause irritation.

Ingestion:

May cause gastrointestinal tract irritation if swallowed.

Existing conditions aggravated by exposure:

None known

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:

Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention.

Eye contact:

Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Ingestion:

Do not induce vomiting. Keep individual calm. Never give anything by mouth to an unconscious person. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Flash point:

Not applicable

Autoignition temperature:

Not applicable

Flammable/Explosive limits-lower %:

Not applicable

Flammable/Explosive limits-upper %:

Not applicable

Extinguishing media:

Carbon dioxide (CO2). Foam. Dry chemical. Water spray.

Special fire fighting procedures:

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Unusual fire or explosion hazards:

None

Hazardous combustion products:

Aldehydes. Acids. Oxides of carbon. Oxides of nitrogen. Oxides of sulfur.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: None known

Clean-up methods: Scrape up as much material as possible. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Wash thoroughly after handling. Empty container precaution: Attention! This container can be hazardous when empty. Follow label cautions even after the container is empty since empty containers could retain product residues. Do not re-use empty containers for food, clothing, or products for human or animal consumption, or where skin contact can occur.

Storage: For safe storage, store at or below 32°C (90°F). Keep in a cool, well ventilated area.

Incompatible products: None.

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 if heated above 38°C (100°F) to maintain concentrations below occupational exposure limits.

Respiratory protection: Not normally required. Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Skin protection: Chemical resistant, impermeable gloves. Because a variety of protective gloves exist, consult manufacturer to determine the proper type for a specific operation.

Eye/face protection: Chemical splash goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|-------------------|
| Physical state: | Putty |
| Color: | Black Metallic |
| Odor: | Sulfur, Mercaptan |
| Vapor pressure: | Not applicable |
| pH: | Not applicable |
| Boiling point/range: | Not available |
| Melting point/range: | Not applicable |
| Specific gravity: | 2.18 |
| Vapor density: | Not applicable |
| Evaporation rate: | Not applicable |
| Solubility in water: | Not available |
| Partition coefficient (n-octanol/water): | Not available |
| VOC content: | <1% |

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: Aldehydes. Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Acids.

Incompatibility: None

Conditions to avoid: None known.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Item No. : 98853

Product name: Fixmaster® Metal Magic Steel(TM) Epoxy

| Hazardous components | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen |
|---|--------------------|-----------------|-----------------|
| Talc 14807-96-6 | No | No | No |
| Epichlorohydrin-4,4'-isopropylidene diphenol resin 25068-38-6 | No | No | No |
| Soda lime borosilicate glass 65997-17-3 | Suspect Carcinogen | No | Yes |
| Polyether polymercaptan UNKNOWN | No | No | No |
| Phenol, 2,4,6- tris[(dimethylamino)methyl] 90-72-2 | No | No | No |
| Silica, quartz 14808-60-7 | Known Carcinogen | Group 1 | Yes |
| Treated fumed silica 67762-90-7 | No | No | No |

Literature Referenced Target Organ & Other Health Effects

| Hazardous components | Health Effects/Target Organs |
|---|---|
| Talc 14807-96-6 | Some evidence of carcinogenicity, Lung, Irritant |
| Epichlorohydrin-4,4'-isopropylidene diphenol resin 25068-38-6 | Allergen, Irritant |
| Soda lime borosilicate glass 65997-17-3 | Allergen, Respiratory |
| Polyether polymercaptan UNKNOWN | No data |
| Phenol, 2,4,6- tris[(dimethylamino)methyl] 90-72-2 | Allergen, Irritant |
| Silica, quartz 14808-60-7 | Some evidence of carcinogenicity, Lung, Immune system |
| Treated fumed silica 67762-90-7 | Irritant |

12. ECOLOGICAL INFORMATION

Ecological information: Not applicable

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose according to EPA and local governmental regulations.

EPA hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

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

Proper shipping name: Unrestricted
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA):

Proper shipping name: Unrestricted
Hazard class or division: None
Identification number: None
Packing group: None

Water Transportation (IMO/IMDG):

Proper shipping name: Unrestricted

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