



Revision Number: 002.1

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Fixmaster® Metal Magic Steel(TM) **IDH number:** 209681
Product type: Epoxy **Item number:** 98853
Epoxy stick **Region:** United States
Company address: **Contact information:**
Henkel Corporation Telephone: 860.571.5100
One Henkel Way Emergency telephone: 860.571.5100
Rocky Hill, Connecticut 06067 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state:	Putty	HEALTH:	*1
Color:	Metallic, Black	FLAMMABILITY:	1
Odor:	Mercaptan, Sulfur	PHYSICAL HAZARD:	0
		Personal Protection:	See MSDS Section 8

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

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

Potential Health Effects

Inhalation: 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: Contact with eyes will cause irritation.
Ingestion: May cause gastrointestinal tract irritation if swallowed.

Existing conditions aggravated by exposure: Eye, skin and respiratory disorders. Skin allergies.

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	%
Talc	14807-96-6	30 - 60
Iron	7439-89-6	10 - 30
Epichlorohydrin-4,4'-isopropylidene diphenol resin	25068-38-6	10 - 30
Glass, oxide, chemicals	65997-17-3	10 - 30
Polyether polymercaptan	Unknown	5 - 10
Quartz (SiO ₂)	14808-60-7	5 - 10
2,4,6-Tris(dimethylaminomethyl)phenol	90-72-2	5 - 10
Treated fumed silica	67762-90-7	1 - 5

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4. FIRST AID MEASURES

Inhalation:

Move 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 footwear. 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. Get 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:

Water spray (fog), 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:

None

Hazardous combustion products:

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

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:

Store in a partly filled, closed container until disposal. Scrape up as much material as possible.

7. HANDLING AND STORAGE

Handling:

Avoid skin and eye contact. 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 (89.6 °F)
Keep in a cool, well ventilated area.

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
Talc	2 mg/m3 TWA Respirable fraction.	20 MPPCF TWA 2.4 MPPCF TWA Respirable. 0.1 mg/m3 TWA Respirable. 0.3 mg/m3 TWA Total dust.	None	50 ppm
Iron	None	None	None	None
Epichlorohydrin-4,4'-isopropylidene diphenol resin	None	None	None	None
Glass, oxide, chemicals	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction.	None	None	None
Polyether polymercaptan	None	None	None	None
Quartz (SiO ₂)	0.025 mg/m3 TWA Respirable fraction.	2.4 MPPCF TWA Respirable. 0.1 mg/m3 TWA Respirable. 0.3 mg/m3 TWA Total dust.	None	None
2,4,6-Tris(dimethylaminomethyl)phenol	None	None	None	None
Treated fumed silica	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction.	15 mg/m3 TWA Total dust. 5 mg/m3 TWA Respirable fraction.	None	None

Engineering controls:

Use local exhaust ventilation if heated above 38°C (100°F) to maintain concentrations below occupational 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:
Color:
Odor:
Odor threshold:
pH:
Vapor pressure:
Boiling point/range:
Melting point/ range:
Specific gravity:
Vapor density:
Flash point:
Flammable/Explosive limits - lower:
Flammable/Explosive limits - upper:
Autoignition temperature:
Evaporation rate:
Solubility in water:
Partition coefficient (n-octanol/water):
VOC content:

Putty
Metallic, Black
Mercaptan, Sulfur
Not available
Not applicable
Not determined
Not available
Not applicable
2.18
Not applicable
Not applicable
Not applicable
Not applicable
Not applicable
Not applicable
Not miscible
Not available
< 1 %

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous reactions: Will not occur.

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

Incompatible materials: None

Conditions to avoid: None known

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Talc	No	No	No
Iron	No	No	No
Epichlorohydrin-4,4'-isopropylidene diphenol resin	No	No	No
Glass, oxide, chemicals	No	No	No
Polyether polymercaptan	No	No	No
Quartz (SiO ₂)	No	No	No
2,4,6-Tris(dimethylaminomethyl)phenol	Known carcinogen.	Group 1	No
Treated fumed silica	No	No	No

Hazardous components	Health Effects/Target Organs
Talc	
Iron	Irritant, Lung, Some evidence of carcinogenicity
Epichlorohydrin-4,4'-isopropylidene diphenol resin	Eyes, Lung
Glass, oxide, chemicals	Allergen, Irritant
Polyether polymercaptan	Allergen, Respiratory
Quartz (SiO ₂)	No Data
2,4,6-Tris(dimethylaminomethyl)phenol	Immune system, Lung, Some evidence of carcinogenicity
Treated fumed silica	Irritant, Allergen

12. ECOLOGICAL INFORMATION

Ecological information: Not applicable

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

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:
Hazard class or division:
Identification number:
Packing group:

Not regulated
None
None
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.
TSCA 12(b) Export Notification: None above reporting de minimus
CERCLA/SARA Section 302 EHS: None above reporting de minimus
CERCLA/SARA Section 311/312: Immediate Health, Delayed Health
CERCLA/SARA 313: None above reporting de minimus
California Proposition 65: This product contains a chemical known in the State of California to cause cancer.

Canada Regulatory Information

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

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