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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Fixmaster Wear Resistant Putty
Product type: Epoxy Resin
Company address:
 Henkel Corporation
 1001 Trout Brook Crossing
 Rocky Hill, Connecticut 06067

Item No. : 98743_10395000 / IDH No. 702269
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>
Silicon carbide 409-21-2	30-60	0.1 fiber/cm ³ TWA length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase- contrast illumination 10 mg/m ³ TWA particulate matter containing no asbestos and <1% crystalline silica 3 mg/m ³ TWA particulate matter containing no asbestos and <1% crystalline silica	15 mg/m ³ TWA total dust 5 mg/m ³ TWA respirable fraction	None
Epoxy resin Proprietary	30-60	None	None	None
Aluminum oxide 1344-28-1	5-10	10 mg/m ³ TWA particulate matter containing no asbestos and <1% crystalline silica	15 mg/m ³ TWA total dust 5 mg/m ³ TWA respirable fraction	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
Polyamide Proprietary	1-5	None	None	None
Crystalline silica 14464-46-1	0.1-1	0.025 mg/m ³ TWA	(1/2)(30 mg/m ³)/(%SiO ₂ + 2) mppcf TWA (Total Dust) (1/2)(250)/(%SiO ₂ + 5) mppcf TWA (respirable) (1/2)(10 mg/m ³)/(%SiO ₂ + 2) mppcf TWA (respirable)	None
Carbon black 1333-86-4	0.1-1	3.5 mg/m ³ TWA	3.5 mg/m ³ TWA	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: Paste
Color: Grey
Odor: Slight, Epoxy

HEALTH:
FLAMMABILITY:
PHYSICAL HAZARD:
Personal Protection:

2*
1
0
See Section 8

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

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

Potential Health Effects

Inhalation: May cause irritation to nose and throat. Vapors and mists will irritate the respiratory tract and nasal passages.
Skin contact: Allergic skin reaction. Itching. Mild skin irritation. Redness. Contact at elevated temperatures may cause thermal burns.
Eye contact: Moderate eye irritation. Redness. Excess tearing.
Ingestion: Not expected under normal conditions of use.

Existing conditions aggravated by exposure: Skin disorders. Skin allergies. Respiratory disorders. Eye disorders.

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. Get medical attention if symptoms occur.
Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion: DO NOT induce vomiting unless directed to do so by medical personnel. Keep individual calm. Get medical attention if symptoms develop and persist.
Notes to physician: None.

5. FIRE-FIGHTING MEASURES

Flash point: 250°C (482.2°F) Tagliabue closed cup
Autoignition temperature: Not available
Flammable/Explosive limits-lower %: Not available
Flammable/Explosive limits-upper %: Not available
Extinguishing media: Water spray (fog), foam, dry chemical or carbon dioxide.
Special fire fighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Unusual fire or explosion hazards: In the event of fire, cool tanks with water spray. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.
Hazardous combustion products: Oxides of carbon. Acids. Aldehydes. Phenolics. Irritating organic fragments.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Prevent product from entering drains or open waters.
Clean-up methods: Remove all ignition sources. Immediately contact emergency personnel. Scrape up as much material as possible. Clean residue with soap and water. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling:	Keep away from heat, spark and flame. Do not breathe mist or vapors. Keep container closed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage:	Store in original container until ready to use. Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
Incompatible products:	Refer to Section 10.

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 to maintain airborne concentrations below established exposure limits.
Respiratory protection:	Not normally required. Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.
Skin protection:	Chemical resistant, impermeable gloves.
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:	Paste
Color:	Grey
Odor:	Slight, Epoxy
Vapor pressure:	Nil
pH:	Not applicable
Boiling point/range:	Greater than 260.2°C (500°F)
Melting point/range:	Not available
Specific gravity:	2.228
Vapor density:	Heavier than air
Evaporation rate:	Slower than butyl acetate
Solubility in water:	Insoluble.
Partition coefficient (n-octanol/water):	Not available
VOC content:	0%; 0 grams/liter

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous polymerization:	Will not occur.
Hazardous decomposition products:	Aldehydes. Ketones.
Incompatibility:	Strong acids. Strong oxidizers. Strong Lewis acids. Strong mineral acids. Amines. Mercaptans.
Conditions to avoid:	Excessive heat. Storage with incompatible materials.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Silicon carbide 409-21-2	No	No	No
Epoxy resin Proprietary	No	No	No
Aluminum oxide 1344-28-1	No	No	No
Treated fumed silica 67762-90-7	No	No	No
Polyamide Proprietary	No	No	No
Crystalline silica 14464-46-1	Known Carcinogen	Group 1	Yes
Carbon black 1333-86-4	No	Group 2B	Yes

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Silicon carbide 409-21-2	Nuisance dust
Epoxy resin Proprietary	Allergen, Irritant
Aluminum oxide 1344-28-1	Corrosive, Irritant, Nuisance dust
Treated fumed silica 67762-90-7	Irritant
Polyamide Proprietary	No data
Crystalline silica 14464-46-1	Lung, Human carcinogen, Immune system, Kidney
Carbon black 1333-86-4	Respiratory, Some evidence of carcinogenicity

12. ECOLOGICAL INFORMATION

Ecological information: Not available

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

The shipping classifications in this section 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):

Item No. : 98743_10395000 / IDH No. 702269

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

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.
CERCLA/SARA Section 302 EHS:	None.
CERCLA/SARA Section 311/312:	Immediate Health Hazard, Delayed Health Hazard
CERCLA/SARA 313:	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). Aluminum oxide (CAS# 1344-28-1).
California Proposition 65:	This product contains a chemical known to the State of California to cause cancer.

Canada Regulatory Information

CEPA DSL/NDSL Status:	All components are listed on or are exempt from listing on the 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: 2, 11, 15

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