

Material Safety Data Sheet

SECTION 1 – COMPANY AND PRODUCT IDENTIFICATION

Issue Date: 8/31/06

Company: Wear-Concepts, Inc
106 NW Business Park Lane
Riverside, Missouri 64150

Telephone Number: 816-587-1923
Emergency Telephone Number: 800-424-9300
Internet: www.wearcon.com

Product Name: Speed Steel Repair Stick
Common Name: Epoxy Stick

P/N: 12500

SECTION 11 – INGREDIENTS/HAZARD INFORMATION

<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

SECTION III – HAZARDS IDENTIFICATION

HMIS:

Physical state: Putty

HEALTH: 1*

Color: Black Metallic

FLAMMABILITY: 1

Odor: Sulfur, Mercaptan

PHYSICAL HAZARD: 0

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.

SECTION IV – 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.

SECTION V – 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.

SECTION VI – 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.

SECTION VII – 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.

SECTION VIII – 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.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

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

SECTION X – 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

SECTION XI – TOXICOLOGICAL INFORMATION

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

Ecological information: Not applicable

SECTION XIII – 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.

SECTION XIV – TRANSPORTATION 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

WaterTransportation (IMO/IMDG):

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



Your Global Resource
For Innovative Wear Solutions

Wear-Concepts, Inc 106 NW Business Park Lane Riverside, MO USA 64150 (816) 587-1923 Fax (816) 587-2055

SECTION XV – 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:	None
California Proposition 65:	This product contains a chemical known to the State of California to cause cancer. Silica, Quartz (CAS# 14808-60-7). Sodium Aluminum Borosilicate (CAS# 65997-17-3).

SECTION XVI – OTHER INFORMATION

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Wear-Concepts does not assume responsibility for any results obtained by persons over whose methods Wear-Concepts has no control. It is the user's responsibility to determine the suitability of Wear-Concepts' products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Wear-Concepts products. In light of the foregoing, Wear-Concepts specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Wear-Concepts products. Wear-Concepts further disclaims any liability for consequential or incidental damages of any kind, including lost profits.