MATERIAL SAFETY DATA SHEET

SMITH FIBERCAST
WELDFAST ZC-275 PART B

I. 24-HOUR EMERGENCY CONTACT INFORMATION

CHEM-TEL United States..... 800-255-3924
International 813-248-0585

II. HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Component Identification	CASRN	OSHA PEL	ACGIH TLV	% (by weight)
Amine Mixture	Proprietary	None Established		60 – 80
Hydrous Aluminum Silicate (1)	0001332-58-7	15 mg/m^3 (total dust) 5 mg/m^3 (respirable dust)	10 mg/m^3 (inhalable dust) 3 mg/m^3 (respirable dust)	15 – 20
Silicon Dioxide (SiO_2) (1)	0112945-52-5	15 mg/m^3 (total dust) 5 mg/m^3 (respirable dust)	10 mg/m^3 (inhalable dust) 3 mg/m^3 (respirable dust)	5 – 10
Carbon Black (1)	000-1333-86-4	3.5 mg/m^3		< 1

(1) These materials are substantially incorporated into the mixture and exposure via inhalation is not likely to occur.

Product Description.....**AMINE**

III. PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point .....Not Determined
Melting Point .....Not Determined
Vapor Pressure ..... < 1 mmHg @ 77°F (25°C)
Vapor Density (Air = 1).....> 1
Specific Gravity (Water = 1).....Not Determined
Evaporation Rate (butyl acetate = 1) .....Not Determined
pH..... Not Determined, Corrosive
Appearance and Odor.....Thixotropic Black Paste, Amine Odor
Odor Threshold .....Not Determined

IV. FIRE and EXPLOSION HAZARDS

Flash Point .....215°F (102°C), Pensky-Martens Closed Cup
Autoignition Temperature.....Not Determined
LEL / UEL.....Not Determined
Extinguishing Media..... Dry Chemical, CO_2, Water Fog, Alcohol Foam
NFPA Ratings ..... Health (2) – Flammability (1) – Reactivity (1)

Special Firefighting Procedures: Wear full bunker gear and a positive pressure self-contained breathing apparatus. Cool containers that are exposed to flames by soaking outside of containers with water until well after fire is extinguished.

Fire and Explosion Hazards: May generate toxic or irritating combustion products. Sudden reaction and fire may result if mixed with an oxidizing agent. May generate carbon monoxide gas. Personnel in vicinity and downwind should be evacuated.

V. REACTIVITY DATA

Stability.....Stable
Hazardous Polymerization .....Will Not Occur

Conditions to Avoid .....Not Applicable
Incompatibilities..... Oxidizing Materials
Hazardous Decomposition Products ..... NO_x, CO, and CO_2

VI. HEALTH HAZARD DATA

Route(s) of Entry: Inhalation.....Yes
Skin .....Yes
Ingestion..... Not Expected

Acute (Short-Term) Health Effects: Upon direct contact may cause severe irritation to the eyes with corneal injury that may result in permanent impairment of vision, even blindness. Excessive vapor exposure may cause severe irritation to the upper respiratory tract and lungs. Ingestion may cause gastrointestinal irritation or ulceration.

Chronic (Long-Term) Health Effects: Repeated or prolonged contact with the skin may cause dermatitis and skin sensitization. May also cause respiratory sensitization in susceptible individuals.

Carcinogenicity: Carbon black is classified as a Group 2B (*possibly carcinogenic to humans*) carcinogen by the International Agency for Research on Cancer (IARC).

Signs and Symptoms of Exposure: Nausea, headache, and general discomfort. Localized pain upon direct contact with skin or eyes.

Medical Conditions Generally Aggravated by Exposure: Eye, skin, or respiratory disorders.

Emergency and First Aid Procedures:

Inhalation: Remove to fresh air if exposure symptoms develop and seek medical attention.

Skin Contact: Gently wash all affected skin areas thoroughly with water soap and water while removing contaminated clothing. If irritation persists or burning sensation is evident, seek medical attention.

Eye Contact: Flush eyes with water for 20 to 30 minutes. Obtain prompt medical attention, preferably from an ophthalmologist.

Ingestion: Not expected under normal use conditions. However, if ingestion does occur, do not induce vomiting. Give large amounts of water or milk and seek medical attention.

HMIS Ratings..... Health (2) – Flammability (1) – Reactivity (1)

VII. PRECAUTIONS FOR SAFE HANDLING and USE

Steps to be Taken in Case Material is Released or Spill: Due to the relatively small end-use container sizes, significant spills are unlikely. However, if a spill does occur, collect and place into a suitable container for disposal. Do not allow spilled materials to enter storm sewers, sanitary sewers, or impact ground water.

Waste Disposal Method: Disposal must be in accordance with applicable laws.

Precautions to be Taken in Handling and Storage: Keep away from oxidizers. Store in a cool, dry, ventilated storage area in closed containers.

VIII. CONTROL MEASURES

Respiratory Protection: None typically required for normal use. Self-contained breathing apparatus may be needed if product is used in a confined or poorly ventilated area.

Ventilation: A system of local and/or general exhaust is recommended.

Hand Protection: Gloves impervious to this material should be worn.

Eye Protection: ANSI-approved safety glasses with side shields or chemical goggles.

Other: Such clothing as to minimize or eliminate skin contact.

IX. REGULATORY INFORMATION (Not meant to be all-inclusive)

Hazardous Materials Transportation Act (HMTA)

This material should be classified as follows:

Proper Shipping Name.....Amines, Solid, Corrosive, n.o.s., Mixture (Diethylenetriamine)
Hazard Class.....8
Identification Number.....UN3259
Packaging Group.....II
Label Required.....Corrosive

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

This produce contains the following CERCLA Section 102(a) hazardous substance(s) as listed in 40 CFR 302.4:

Identity	CASRN	% (by weight)	Reportable Quantity (RQ)
None			

Superfund Amendment and Reauthorization Act (SARA)

This product contains the following SARA Title III Section 302 extremely hazardous substance(s) as listed in 40 CFR Part 355:

Identify	CASRN	% (by weight)
None		

SARA Title III Section 311/312 hazardous categorization:

This product has been reviewed according to the EPA hazard categories promulgated under SARA Tile III Section 311 and 312 and is considered to meet the following hazard categories:

- An immediate (acute) health hazard
- A delayed (chronic) health hazard

This product contains the following SARA Title III Section 313 toxic substance(s) as listed in 40 CFR Part 372:

Identify	CASRN	% (by weight)
None		

Toxic Substances Control Act (TSCA)

All ingredients are on the TSCA inventory or are not required to be on the inventory.

CATALYST / HARDENER INDEX

The material described in this MSDS is intended for use with the following:

WELDFAST ZC-275 PART A

Review literature supplied with product or contact Smith Fibercast for proper mixing ratios.

SMITH FIBERCAST

2700 West 65th Street, Little Rock, Arkansas 72209 • 501-568-4010 • FAX 501-568-4465
25 South Main Street, Sand Springs, Oklahoma 74063 • 918-245-6651 • FAX 918-245-7566
www.smithfibercast.com