



MATERIAL SAFETY DATA SHEET

Protein Concrete Foam

Date Prepared (October 2, 2006)

Section 1: CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

Product: Mearlcrete™ Foam Liquid Concentrate
Synonyms: Protein Foam
CAS No: Mixture – No single CAS No. applicable

Company Identification

Cellular Concrete Solutions Telephone No.: 610.398.7833
7020 Snowdrift Road Emergency Telephone No.: 888.235.5015
Allentown, PA 18106

Section 2: COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No.
Water	7732-18-5
Protein Hydrolysate	69430-36-0
Hexylene Glycol	107-41-5
Inorganic Salts – Mixture	No single CAS # applicable
Ferrous Sulfate	7720-78-7
Zinc Oxide	1314-13-2

Section 3: HAZARDS IDENTIFICATION

Additional Health Effects

Existing eye or skin sensitivity may be aggravated by exposure

Carcinogenicity Information

No data available

Eye Contact

Product is an eye irritant

Inhalation

Not hazard in normal industrial use

Ingestion

Not hazard in normal industrial use. Small amounts swallowed during normal handling operations are not likely to cause injury; swallowing large amounts may cause injury or irritation

Skin contact

Contact with liquid may cause moderate irritation or dermatitis due to removal of oils from the skins



Section 4: FIRST AID MEASURES

Eye Contact

In case of eye contact, immediately flush eyes with copious amounts of water for 15 minutes. Retract eyelids often to ensure thorough rinsing. Contact a physician if irritation persists.

Ingestion

If swallowed, give victim plenty of milk or water to drink. Do not induce vomiting. Never administer anything by mouth to an unconscious person. Seek medical attention.

Inhalation

No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of airborne aerosol mists, remove to fresh air. Seek medical attention if effects occur.

Skin contact

In case of skin contact, wash off in flowing water or shower. Launder clothing before re-use. If irritation occurs, obtain medical attention.

Section 5: FIRE FIGHTING MEASURES

Flammable Properties

Flash Point – Not applicable

Fire and Explosion Hazards

Not applicable

Extinguishing Media

Not applicable

Special Fire Fighting Instructions

Not applicable

Section 6: ACCIDENTAL RELEASE MEASURES

Safeguard (Personnel)

NOTE: Use appropriate Personal Protective Equipment during clean-up

Stop flow if possible. Use appropriate protective equipment during clean up. For any releases, collect spilled concentrate with absorbent material; place in approved container and disposed. Disposal should be made in accordance with federal, state, and local regulations. Prevent discharge of concentrate to waterways.

Section 7: HANDLING AND STORAGE

Handling (Personnel)

Avoid contact with eyes, skin or clothing. Avoid ingestion or inhalation. Rinse skin and eyes thoroughly in case of contact. Review HAZARDS and First Aid sections.

Storage

Recommended storage environment is between 20°F (-7°C) and 120°F (49°C). Store product in original shipping container or containers designed for product storage.



Section 8: EXPOSURE CONTROLS

Engineering Controls

Special ventilation is not required

Personal Protective Equipment

Safety glasses, face shield, or chemical splash goggles must be worn when possibility exist for eye contact. Contact lenses should not be worn. Rubber or PVC gloves recommended. Wash hands before eating, drinking, smoking, or using the toilet facilities. Promptly remove soiled clothing and wash thoroughly before re-use. Recommended exposure limits (OSHA-PEL and ACGIH-TLV) have not been determined for this material. The need for respiratory protection should be evaluated by qualified health specialist.

Exposure Guidelines

Exposure Limits	CAS Number	PEL (OSHA)	TLV (ACGIH)
Hexylene Glycol	107-41-5	25 ppm	25 ppm
Ferrous Sulfate	7720-78-7	1.0 mg/m ³	1.0 mg/m ³
Zinc Oxide	1314-13-2	10 mg/m ³	10 mg/m ³

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Boiling Point:	Not applicable	Specific Gravity @ 25°C:	1.170 @ 15°C
Vapor Pressure:	Not Applicable	Freezing Point :	Not applicable
Vapor Density:	Not Applicable	pH:	7.2
Melting Point:	Not Applicable	Odor:	Organic
Evaporation Rate:	< 1 (Butyl Acetate = 1.0)	Form:	Dark Brown
Solubility in water	100%	Color:	Yellow

Section 10: STABILITY AND REACTIVITY

Chemical Stability

Stable

Incompatibility, Materials to Avoid

Avoid use of product on burning metals, electrically energized equipment, and contact with water reactive materials.

Polymerization

Will not occur

Section 11: TOXICOLOGICAL INFORMATION

This product has not been tested as a whole for acute oral and inhalation toxicity, primary eye irritation, or primary skin irritation.



Section 12: ECOLOGICAL INFORMATION

Ecotoxicological Information Aquatic Toxicity

No data available

BOD₅ No data available

COD No data available

Section 13: DISPOSAL CONSIDERATION

Do not discharge into biological sewer treatment systems without prior approval. Specific concerns may be high BOD load and foaming tendency. Dilution will reduce BOD and COD factors proportionately. Low dosage flow rate or antifoaming agents acceptable to the treatment plant may be helpful. Do not flush to waterways. Disposal should be made in accordance with federal, state, and local regulations.

Section 14: TRANSPORTATION INFORMATION

Shipping Class: 55

Hazard Class: None

UN Number: None

Section 15: REGULATORY INFORMATION

U.S Federal Regulations

Toxic Substances Control act (TSCA)

All components of this product are listed in TSCA inventory

Superfund Amendments and Reauthorization Act 1986 (SARA), Title III

Section 302/304

There are no components of this material with known CAS numbers that are on the Extremely Hazardous Substances (EHS) list.

Section 311/312

Based on available information, this material contains the following components which are classified as the following health and/or physical hazards:

Hexylene Glycol 107-41-5 Health-Immediate and Chronic

Zinc Oxide 1314-13-2 Health-Immediate

Section 313

Based on available information, this material contains the following components which are subject to reporting requirements:

Zinc Oxide 1314-13-2

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA)

Based on available information, this material contains the following components which are subject to reporting requirements:

Ferrous Sulfate 7720-78-7 Zinc Oxide 1314-13-2



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Section 16: OTHER INFORMATION

NFPA Rating

Health: 0
Flammability: 0
Reactivity: 0

Revision 02/04/08

For Further information, consult Cellular Concrete Solutions

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