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Revision	Date
1.2	5/4/2006



Ceramics, Inc.

Material Safety Data Sheet

Product F 69

Manufacturer	Fusion Ceramics, Inc.
Address	P.O.Box 127 Carrollton, Ohio 44615
Phone	(330) 627-5821
Fax	(330) 627-2082
E-Mail	info@fusionceramics.com
Emergency Health	(330) 627-2191
Emergency CHEMTREC	(800) 424-9300
Product Identification	F 69
Chemical Family	Frits, Chemicals
CAS Number	65997-18-4
Prepared By	Nath Viswanath

HMIS	
Health	1
Flammability	0
Reactivity	0
Personal Protection	E



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Product

F 69

1. HAZARDOUS COMPONENTS

Frit is a fused silicate glass substance. The components of this glass product listed below are from the inventory of potentially hazardous substances referenced by FED-OSHA in 29 CFR 1910.1200.

Component	ACGIH/TLV	Exposure Limit (Air) mg/m ³	
		FED-OSHA/PEL	CAL-OSHA/PEL
Particulates not otherwise classified (Σ Dust)	10 / 3 (respirable)	15	10

*(A) Only present as part of frit CAS # 65997-18-4

2. HEALTH HAZARD DATA

Primary Routes of Exposure

Exposure to dust may be irritating to eyes, nose and throat. At very high exposure levels the dust may have an effect on the lungs. Inhalation, Eye Contact, Skin Contact, and Ingestion are the typical method of exposure.

Inhalation

Dusts may cause irritation of the nose, throat, and respiratory tract.

Eye Contact

Direct contact with this material may irritate eye tissue. Symptoms can include irritation, redness, and tearing.

Skin Contact

Prolonged contact to this product can lead to drying of the skin which can cause irritation.

Ingestion

Ingestion of this material can cause irritation of the throat, stomach, and gastrointestinal tract.

Source of Health Hazard Data

This MSDS was developed from information on the constituent substances of this frit material, not from test data on the frit itself.

3. EMERGENCY AND FIRST AID PROCEDURES

If overexposure is suspected move the person to fresh air. If breathing is difficult give oxygen. Call a physician. For dust in eyes: flush immediately with clean water and call a physician.

Skin irritation: wash affected areas thoroughly with soap and water. If irritation persists, seek medical attention.



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4. PRECAUTIONS FOR SAFE HANDLING AND USE

Handling Procedures

Avoid inhalation of dusts. Avoid contact with skin and eyes. Prevent the buildup of dusts. Wash thoroughly after handling. Keep container closed and dry.

Storage Procedures

Store in a closed container in a cool, dry area.

Other

Containers may be considered as hazardous when empty. Follow all MSDS and label warnings even when container is emptied. Dispose of container according to all applicable State, Federal, and local laws.

5. CONTROL MEASURES

Respiratory Protection

A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever work place conditions warrant a respirators use.

Eye Protection

Use chemical resistant splash goggles at all times. Wear safety glasses with side shields.

Hand protection

Chemical resistant gloves should be used whenever this material is handled. Rinse and wash hands after removing gloves.

Full body clothing and appropriate footwear should be worn all times.

Engineering Controls (Ventilation)

Engineering and / or administrative controls should be implemented to reduce exposure levels. Refer to the current specification requirements OSHA 29 CFR CFR 1910.94 or the current edition of Industrial Ventilation.

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6. FIRE & EXPLOSION HAZARD DATA

Flash Point :	N/A
Flammable Limits:	N/A
Extinguishing Media	None
Unusual Fire & Explosion Hazards	None



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Abbreviations Used on Material Safety Data Sheets

ACGIH	American Conference of Government Industrial Hygienists
CAL-OSHA	California Occupational Safety and Health Administration
CAS Number	Chemical Abstract Service Number
CFR	Code of Federal Regulations
FED-OSHA	Federal Occupational Safety and Health Administration
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
PEL	Permissible Exposure Limit
TSCA	Toxic Substances Control Act
TLV	Threshold Limit Value
DOT	Department of Transportation
IMO	International Maritime Organization
IMDG Code	International Maritime Dangerous Goods Code
ICAO	International Civil Aviation Organization
IATA	International Air Transport Association
SARA	Superfund Amendments and Reauthorization Act



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