

Grill Bricks



MATERIAL SAFETY DATA SHEET

Revision No: 004
07/01/2005

Section I - Product Identification

Manufacturer/Supplier:
Cell-U-Foam Corporation Emergency Number: (800) 688-4118
810 FM 521
Fresno, Texas 77545

Product Name: Ultra-CUF Cell-U-Foam (Brand of Cellular Glass)
CAS Number: N. AP. **CAS Name:** N. AP.
NFPA Hazard Class: Health: 0 Fire: 0 Reactivity: 0
WHMIS Classification: Class D Division 2B
Use: Insulation of tanks, spheres, piping, roofs and equipment

Section II - Hazardous/Non-Hazardous Ingredients

<u>Ingredient</u>	<u>CAS No.</u>	<u>by Volume</u>	<u>by Wt.</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>NTP IARC OSHA Reg.</u>	<u>TOXICITY Data</u>
Hydrogen Sulfide	7783-06-4	<1ppm	<0.01ppm	10ppm	20ppm TWA	No	LC50 673ppm MUS/ihl/lh
Carbon Monoxide	630-08-0	2%	<0.1%	50ppm	35ppm TWA	No	LC50 1807ppm RAT/ihl/4h
Glass Dust	N. AP.	Varies	Varies 1	0mg/m ³	15mg/m ³	No	N.AV

*For gases see "Dangerous Properties of Industrial Materials" by Irving Sax and Richard J. Lewis, Sr.
Comment: N. AV. - Not Available
N. AP. - Not Applicable

Section III - Physical Data

<u>Physical State at 77 F (25 C):</u>	Solid	<u>Freezing Point:</u>	N. AP.
<u>Boiling Point:</u>	N. AP.	<u>Melting Point:</u>	1350 F (732 C)
<u>Vapor Pressure:</u>	N. AP.	<u>Vapor Density:</u>	N. AP.
<u>Specific Gravity (Water = 1):</u>	0.11-0.14	<u>Percent Volatile:</u>	N. AP.
<u>Solubility in Water:</u>	Insoluble	<u>Evaporation Rate:</u>	N. AP.
<u>Appearance and Odor:</u>	Black cellular material. No odor unless cut or crushed.	<u>Coefficient of Water / Oil Distribution:</u>	N. AP.
<u>Odor Threshold:</u>	N. AP.	<u>Distribution:</u>	N. AP.

Section IV - Fire and Explosion Hazard Data

Conditions of Flammability:	None
Flash Point:	N. AP.
Flammability Limits:	LEL N. AP. UEL N. AP.
Auto Ignition Temperature:	N. AP.
Extinguishing Media:	N. AP.
Special Fire Fighting Procedures:	N. AP.
Unusual Fire and Explosion Hazards:	N. AP.
Hazardous Combustion Products:	N. AP.
Explosion Data:	N. AP.
Sensitivity of Mechanical Impact:	N. AP.
Sensitivity of Static Discharge:	N. AP.

Section V - Toxicological and First Aid Information

Threshold Limit Value:

See Section II. TLV for H₂S may have reached if 1 cu. ft. of material is crushed in a closed space of 3000 cu. ft.

Routes of Entry:

Inhalation? **Yes**

Skin? **No**

Ingestion: **Unlikely**

Eye Contact? **Yes**

Effects of overexposure: Acute - effects of overexposure to gases when cells are broken:

- Inhalation - headache, nausea and difficult breathing, dizziness
- Skin - irritation or abrasion of mouth and throat from glass particles
- Eye Contact - irritation, tearing, photophobia

* For gases see Dangerous Properties of Industrial Materials by Irving Sax and Richard J. Lewis, Sr.

Chronic: N. AV.

Medical conditions generally aggravated by exposure: None Known

Emergency and First Aid Procedures:

Inhalation - Remove victim to fresh air, apply artificial respiration if needed.

Call poison center, physician or emergency medical service giving CAS names and numbers of gases.

Skin - Wash thoroughly without pressure. If irritation persists or skin is broken, consult a physician

Eye Contact - Flush with potable water for 15 minutes, do not rub or apply pressure. Consult a physician or emergency medical service.

Ingestion - Do not induce vomiting. Consult a physician, emergency medical service or poison center.

Section VI - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

- Collect in sift-proof containers.
- Avoid generation of dust.

Waste Disposal Method:

- Dispose of in approved landfill in accordance with all local, state and federal regulations.

Precautions to be taken in handling and storing:

- Avoid generation of dust.
- If storing for long periods, protect insulation from weather.

Other Precautions: None

Section VII

Eye Protection: Goggles for dust protection while cutting or abrading in wind or overhead work.

Skin Protection: Gloves - rubber impregnated canvas - for abrasion protection. Normal work clothes including long-sleeved shirts.

Respiratory Protection: Nuisance dust when cutting or abrading with ventilation. Supplied air or self-contained breathing apparatus in poorly ventilated areas is required when crushing will cause TLV of gases to be exceeded.

Ventilation: Local exhaust when cutting. Mechanical ventilation when crushing large volumes.

Other protective clothing or equipment: None

Work/Hygienic Practices: Use good housekeeping and hygiene practices.

Section VIII - Shipping Information

DOT Hazard Class:	None
Proper Shipping Name:	Cellular Glass
UN#:	N.AV.

Revised by: Richard W. Schweizer

Date: 07/01/2005

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