
SECTION 1 – IDENTIFICATION

Product Name: FOAMGLAS[®] insulation, FOAMGLAS[®] ONE™ insulation, FOAMGLAS[®] HLB insulation

Manufacturer/Supplier:

Pittsburgh Corning Corporation

800 Presque Isle Drive

Pittsburgh, PA 15239

Information Number: 724-327-6100

CHEMTREC: 800/424-9300

Generic Name: Cellular glass insulation

Use: Insulation of tanks, spheres, piping, roofs and equipment. For professional use only.

Chemical Family: Mixture

General

Comments: General information and emergency information available 8:00 AM – 5:00 PM Monday through Friday.

CHEMTREC telephone number is to be used only in the event of chemical transportation emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to technical service.

SECTION 2 – HAZARD(S) IDENTIFICATION

HAZARD CLASSIFICATION: Potential Irritant

SIGNAL WORD: **WARNING**

HAZARD STATEMENT: Dust in contact with skin will cause irritation.
Direct contact of dust with eyes will cause eye irritation.

HAZARDOUS
POLYMERIZATION: Will Not Occur

ROUTES OF EXPOSURE: Inhalation, Skin, Eyes and Ingestion.

IMMEDIATE EFFECTS:

INHALATION: Inhalation of cell gas may produce headache, nausea, and difficult breathing, dizziness. The sense of smell may be fatigued over time. The odor and irritating effects do not offer dependable warning to workers who may be exposed to gradually increasing amounts and therefore become used to it.

SKIN CONTACT: Irritation or abrasion from glass particles.

EYE CONTACT: Contact can cause severe irritation, inflammation of the mucous membrane, tearing, and sensitivity to light.



INGESTION: May be harmful if ingested, although this is not a likely route of entry. Ingestion can cause possible abrasion of mouth and throat from glass particles.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

ACUTE: Preexisting skin and eye disorders may be aggravated by direct contact to this product.

CHRONIC: Prolonged or repeated overexposure to airborne glass dust can lead to inflammation and scarring of lung tissue.

CARCINOGENICITY: There are no components in this product that are listed as a carcinogen by NTP, IARC, ACGIH or OSHA.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	App. % by Vol.	CAS #
Hydrogen Sulfide	< 0.1	7783-06-4
Carbon Monoxide	< 0.1	630-08-0
Carbon Dioxide	> 90	124-38-9
Glass Dust	Varies	NA

SECTION 4 – FIRST AID MEASURES

GENERAL

ADVICE: Obtain special instructions before use. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible)

INHALATION: Move the exposed person to fresh air at once, apply artificial respiration if needed. Call poison center, physician or emergency medical service giving CAS names and numbers of gases. Encourage victim to cough, spit out, and blow nose to remove dust. If breathing is difficult, GET MEDICAL ATTENTION.

SKIN CONTACT: Wash thoroughly without pressure. If irritation persists or skin is broken, consult physician.

EYE CONTACT: Flush with potable water for 15 minutes, do not rub or apply pressure. Consult physician or emergency medical service.

INGESTION: An unlikely route of entry. Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Call a physician immediately

SECTION 5 – FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Fine Water Spray, CO ₂ , Dry Chemical, Foam. If entering a confined area, use self-contained breathing apparatus.
EXPLOSION DATA:	SENSITIVITY TO MECHANICAL IMPACT: NA SENSITIVITY TO STATIC DISCHARGE: NA
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None. This product is not flammable.
HAZARDOUS COMBUSTION PRODUCTS:	None known.
SPECIAL FIRE FIGHTING MEASURES:	May release small amounts of hydrogen sulfide and carbon monoxide gas when involved in a fire. The small amounts of hydrogen sulfide and carbon monoxide released are not expected to contribute to the intensity of a fire. Wear self-contained breathing apparatus and protective clothing.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PRECAUTIONS FOR PERSONNEL:	Do not get in eyes, on skin, or on clothing. Do not breathe dust. Avoid generating dust
	Wear personal protective equipment. Refer to recommendations in section 8. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling and before eating or drinking.
ENVIRONMENTAL PRECAUTIONS:	Ensure adequate ventilation. Use dustless methods. All in accordance with local, state and federal government regulations.
PROCESS FOR CLEANING:	Collect in sift proof containers. Avoid generation of dust.
REGULATORY REQUIREMENTS:	Follow applicable OSHA regulations (29 CFR 1910.120).

SECTION 7 – HANDLING AND STORAGE

HANDLING:	Avoid generation of dust. Wash hands before eating, drinking, smoking or using toilet. Keep out of reach of children.
STORAGE:	If storing for long periods, protect product from weather.

SECTION 8 – EXPOSURE RESTRICTIONS AND PERSONAL PROTECTION

EXPOSURE LIMITS

Ingredient	App. % by Vol.	TLV	NIOSH REL TWA	PEL	CAS #
Hydrogen Sulfide	<0.1	1 ppm	UN	10 ppm TWA	7783-06-4
Carbon Monoxide	<0.1	25 ppm	UN	50 ppm TWA	630-08-0
Carbon Dioxide	>90	5000 ppm	UN	5000 ppm TWA	124-38-9
Glass Dust	Varies	10 mg/m ³	UN	15 mg/m ³ 5 mg/m ^{3a} (^a respirable)	NA

EXPOSURE GUIDELINES:

When exposed to dust above recommended limits, wear a suitable NIOSH-approved respirator with a protection factor appropriate for the level of exposure. Seek guidance from a qualified industrial hygienist or safety professional, prior to respirator selection and use.

ENGINEERING CONTROLS:

When cutting, grinding, crushing, or drilling FOAMGLAS® insulation, provide general or local ventilation systems, as needed, to maintain airborne dust concentrations below the regulatory limits. Local vacuum collection is preferred since it prevents release of contaminants into the work area by controlling it at the source. Other technologies that may aid in controlling airborne respirable dust include wet suppression, ventilation, process enclosure, and enclosed employee work stations.

PERSONAL PROTECTIVE EQUIPMENT:

EYE PROTECTION:

When cutting, grinding, crushing, or drilling FOAMGLAS® insulation, wear safety glasses with side shields or dust goggles in dusty environments. Wear goggles for dust protection while cutting or abrading in wind or overhead work.

SKIN PROTECTION:

Wear rubber impregnated canvas gloves for abrasion protection. Wear normal protective work clothing with long sleeved shirt.

RESPIRATORY PROTECTION:

Use nuisance dust mask when cutting or abrading with adequate ventilation. Seek guidance from a qualified industrial hygienist or safety professional, prior to dust mask/respirator selection and use. (Supplied air or self-contained breathing apparatus in poorly ventilated areas is required when cutting or crushing of FOAMGLAS® insulation causes PEL of hydrogen sulfide and carbon monoxide gases to be exceeded.

ENVIRONMENTAL EXPOSURE CONTROL:

Use local exhaust when cutting. Use mechanical ventilation when crushing large volumes.

WORK/HYGIENIC PRACTICES:

Avoid contact with eyes and skin. Wash thoroughly after handling and before eating or drinking.

SPECIAL PRECAUTIONS:

Respirable dust particles may be generated by crushing, cutting, grinding or drilling FOAMGLAS® insulation. Follow protective controls listed in the Exposure Guidelines above when handling these products.

SECTION 9 – PHYSICAL PROPERTIES

Appearance:	Black cellular solid	Flash Point : °C (°F) TCC	NA
Odor:	no odor unless cut or crushed, rotten egg odor when cells are crushed or cut	Ignition Temperature: °C (°F)	NA
Odor Threshold:	0.002 ppm	Evaporation Rate (BuAC=1)	NA
pH	NA	Flammability:	Non-Flammable
Melting Point/Freezing Point: °C (°F)	732 (1350)	Flammable Limits: LEL	NA
		UEL	NA
Boiling Point: °C (°F)	NA	Vapor Pressure: (MM Hg): pH:	NA
Solubility in Water:	Insoluble	Vapor Density: (Air = 1)	NA
Partition Coefficient: n-octanol/water:	NA	Specific Gravity: (H ₂ O = 1):	0.11 – 0.22
Viscosity	NA	Evaporation Rate: (BuAC=1)	NA
VOC: g/l (lbs./gal)	0.0 (0.0)	Percent Volatile By Volume: (%)	NA

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY:

Hazardous reactions will not occur under normal conditions.

STABILITY:

Stable

POSSIBILITY OF HAZARDOUS REACTIONS:

Hazardous reaction will not occur

CONDITIONS TO AVOID:

NA

MATERIALS TO AVOID:

NA

DECOMPOSITION PRODUCTS:

None

SECTION 11 – TOXICOLOGICAL INFORMATION

CAS #	INGREDIENT	DERMAL LD50	INHALATION LD50	ORAL LD50
7783-06-4	Hydrogen Sulfide	NE	444 ppm-rat 634 ppm-mus	NE
630-08-0	Carbon Monoxide	NE	1807 ppm-rat 2444 ppm-mus	NE
124-38-9	Carbon Dioxide	NE	NE	NE
NA	Glass Dust	NE	NE	NE

CAS #	INGREDIENT	CARCINOGENICITY		TERATOGENICITY	MUTAGENICITY
		ACGIH	IARC		
7783-06-4	Hydrogen Sulfide	NE	NE	NE	NE
630-08-0	Carbon Monoxide	NE	NE	NE	NE
124-38-9	Carbon Dioxide	NE	NE	NE	NE
NA	Glass Dust	NE	NE	NE	NE

SECTION 12 – ECOLOGICAL INFORMATION

BIODEGRADATION: NA
 BIOACCUMULATION: NA
 AQUATIC TOXICITY: NA
 OTHER INFORMATION: None

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

SECTION 14 – TRANSPORT INFORMATION

SPECIAL SHIPPING INFORMATION: Not regulated
 DOT SHIPPING CLASS: Not regulated.
 TDG: Not regulated.
 IATA: Not regulated

SECTION 15 – REGULATORY INFORMATION

US Regulatory Information

OSHA 29 CFR 1910-1200 Irritant
 TSCA All components of this product are listed on TSCA Inventory

SARA Title III:

SARA SECTION 302: None
 SARA SECTION 304: NA
 SARA (311,312) HAZARD CLASS: None
 SARA (313) CHEMICALS: None

CERCLA: NA
 RCRA: Refer to section 13
 CPSC CLASSIFICATION: NA

HMIS: FLAMMABILITY: 0 REACTIVITY: 0 HEALTH: 0
 NFPA: FLAMMABILITY: 0 REACTIVITY: 0 HEALTH: 0

WHMIS CLASSIFICATION: D2B



CALIFORNIA PROPOSITION 65:

- A. This product contains a chemical known to the State of CA to cause birth defects or other reproductive harm.
- B. This product contains a chemical known to the State of CA to cause cancer.
- C. This product contains a chemical known to the State of CA to cause cancer and birth defects or other reproductive harm.

SECTION 16 – OTHER INFORMATION

Prepared in accordance with 29 CFR 1910.1200
 This Product has been classified in accordance with the hazard criteria of the Controlled Products

NA = not applicable NE = not established UN = unavailable CL = Ceiling Limit
 NEGL = Negligible PROP. = Proprietary

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FOAMGLAS® is a registered trademark of Pittsburgh Corning.

ANNEX A – TO FOAM GLASS INSULATION MSDS DATED 13 MARCH 2014

CONTACT POINT

For further information on this product please contact:

Australasian Insulation Supplies Pty Ltd
(ABN 25 612 643 993)
56 Cutler Road
Jandakot WA 6164
Telephone: (08) 9417 9494
Facsimile: (08) 9417 9595
Email: sales@ais-group.com.au

EMERGENCY PHONE NO. 000 Fire brigade and Police (Australia)

POISONS INFORMATION 13 11 26 (Australia)

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