
SECTION 1 – IDENTIFICATION

Product Name: FOAMGLAS® StrataFab® System

Manufacturer/Supplier:

Pittsburgh Corning Corporation

Global Industry Headquarters

800 Presque Isle Drive

Pittsburgh, PA 15239-2724

Information Number: +1 724 327 6100

CHEMTREC: +1 800 424 9300

Generic Name: Cellular glass

Use: Insulation of tanks, spheres, piping, roofs and equipment.

Chemical Family: Mixture

General Comments: General information is available at www.foamglas.com or by using the information number listed above. General inquiries are typically processed within two business days.

In event of chemical transportation emergencies involving a spill, leak, fire, exposure, or accident involving the chemical, contact Chemtrec at the number listed above.

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: No adverse effects are expected. May cause respiratory irritation.

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: Components in this product that are listed as a carcinogen by NTP, IARC, ACGIH or OSHA:

COMPONENT	CAS #
Petroleum Asphalt	8052-42-4

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	App. % by Wt.	CAS #
Glass Dust	Varies	NA
Coal, Bituminous	1 - 2	1333-86-4
Petroleum Asphalt	0.5 - <1	8052-42-4

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 if needed. 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, CO₂, 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.

HAZARDOUS COMBUSTION PRODUCTS:

None known.

SPECIAL FIRE FIGHTING MEASURES:

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 Wt.	TLV	REL TWA	PEL	CAS #
Glass Dust	Varies	10 mg/m ³	UN	15 mg/m ³ 5 mg/m ^{3a} (^a respirable)	NA
Coal, Bituminous*	1 - 2	2.0 mg/m ³	2.4 mg/m ³	2.0 mg/m ³	1333-86-4
Petroleum Asphalt*	0.5 - <1	0.5 mg/m ³	5 mg/m ³	0.5 mg/m ³	8052-42-4

Other components below reportable levels

* Respirable/inhalable fraction

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 cellular glass insulation, provide general or local ventilation systems (typically 10 air changes per hour), 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 cellular glass 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 may be required. Contact an Industrial Hygiene specialist to monitor work in confined spaces.)

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:	Composite of shrink-wrapped black cellular material contained within green outer bag.	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
NA 1333-86-4 8052-42-4	Glass Dust Coal, Bituminous Petroleum Asphalt	NE >4,000 mg/kg (rat) NE	NE 3,400 mg/kg (rat) NE	NE >8,000 mg/kg (rat) NE

CAS #	INGREDIENT	CARCINOGENICITY		TERATOGENICITY	MUTAGENICITY
		ACGIH	IARC		
NA 1333-86-4 8052-42-4	Glass Dust Coal, Bituminous Petroleum Asphalt	NE NE NE	NE NE 2B	NE NE 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: 1
 NFPA: FLAMMABILITY: 0 REACTIVITY: 0 HEALTH: 1

WHMIS CLASSIFICATION: Irritant



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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