

Material Safety Data Sheet

Section I - Product Identification

Manufacturer/Supplier:
Pittsburgh Corning Corporation
 800 Presque Isle Drive
 Pittsburgh, PA 15239

Information Number: 724/327-6100
CHEMTREC: 800/424-9300

Product Name: ADVANTAGE® system

Generic Name: Cellular Glass

CAS Number: N. AP.

CAS Name: N. AP.

NFPA HAZARD CLASS: Health: 1 Fire: 1 Reactivity: 0

WHMIS CLASSIFICATION: CLASS D Division 2B

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

Section II - Hazardous Ingredients

Ingredient	CAS Number	% by Vol	ACGIH* TLV	OSHA** PEL	NOISH TWA
Hydrogen Sulfide	7783-06-4	<12	10 ppm		10
Carbon Monoxide	630-08-0	0-4	25 ppm	50ppm TWA	35
Carbon Dioxide	124-38-9	85-95	5000ppm	5000 ppm TWA	5000
Glass Dust (PNOC)	N. AP.	Varies		15 mg/m ³ 5 mg/m ³ (Respirable)	
Petroleum Asphalt	8052-42-4	0-3	0.5 mg/m ³ as benzene soluble aerosol		

Comment: N. AV. - Not Available N. AP. - Not Applicable
 PNOC - Particulates Not Otherwise Classified
 * American Conference of Governmental Industrial Hygienists.
 ** OSHA 29 CFR 1917.24
 *** Dangerous Properties of Industrial Materials, 9th Ed. by Sax/Lewis.
 See Section VI - Toxicological and First Aid Information of this MSDS.

Section III - Physical Data

-Physical State at 77°F (25°C):	Solid	-Freezing Point:	N. AP.
-Boiling Point:	N. AP.	-Melting Point:	1350°F (732°C)
-Vapor Pressure (mm of mercury):	N. AP.	-Specific Gravity (Water = 1):	0.11-0.22
-Vapor Density (Air = 1):	N. AP.	-Percent Volatile (By Volume):	N. AP.
-Solubility in Water:	Insoluble	-Evaporation Rate (Butyl Acetate = 1):	N. AP.
-Appearance and Odor:	Black cellular material, no odor unless cut or crushed	-Evaporation Rate (Ethyl Ether = 1):	N. AP.
-Odor Threshold:	0.002 ppm	-pH:	N. AP.
-Coefficient of Water/Oil Distribution:	N. AP.		N. AP.

Section IV Fire and Explosion Hazard Data

Flash Point: N. AP. Flammable Limits: LEL: N. AP. UEL: N. AP.
(percent by volume)

Extinguishing Media: dry chemical, CO₂, or carbon dioxide

UNUSUAL FIRE AND EXPLOSION HAZARDS: May release hydrogen sulfide, carbon monoxide, and various hydrocarbons when involved in a fire. Hot Asphalt may ignite flammable materials. Do not direct water on asphalt fires as it may cause spreading of hot asphalt.

Explosion Data: N. AP.

Section V - Reactivity Data

Stability: Stable Conditions to Avoid: N. AP.

Incompatibility (materials to avoid): N. AP.

Hazardous Decomposition or Byproducts: None

Hazardous Polymerization: Will not occur

Section VI - Toxicological and First Aid Information

Routes of Entry: Inhalation: Yes Skin: Yes Ingestion: Unlikely
 Eye Contact: Yes

Acute: Inhalation - headache, nausea, and difficult breathing, dizziness from dusts or gases.

Eyes - irritation and inflammation of the mucous membrane, tearing, sensitivity to light.

Skin: irritation or abrasion from glass dust.

Ingestion: possible abrasion of mouth and throat from glass dust.

Chronic: Chronic poisoning results in headache, inflammation of the eyelids and the mucous membrane that lines the inner surface of the eyelids, digestive disturbances, weight loss and general weakness.

The sense of smell of hydrogen sulfide may be fatigued over time. The odor and irritating effects do not offer dependable warning to workers who maybe exposed to gradually increasing amounts and therefore become used to it.

Medical Conditions Generally Aggravated by Exposure to Hydrogen Sulfide: Pre-existing upper respiratory and lung diseases such as, but not limited to bronchitis, emphysema and asthma, pulmonary heart disease or eye problems.

Emergency and First Aid Procedures:

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

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

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

Section VII - 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 VIII - Personnel Protection Information

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 shirt.

Respiratory Protection: Use nuisance dust mask when cutting or abrading with adequate ventilation. Supplied air or self-contained breathing apparatus in poorly ventilated areas is required when crushing of FOAMGLAS® insulation which may causes PEL of hydrogen sulfide and carbon monoxide gases to be exceeded.

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

Other Protective Clothing or Equipment: None

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

Section IX - Shipping Information

DOT Hazard Class: None

Proper Shipping Name: ADVANTAGE® system (Cellular Glass Insulation)

UN #: N. AV.

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