

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer Carpenter Brothers, Inc.
7100 W. Donges Bay Road
Mequon, WI 53092

Telephone (800) 558-9244

Product Names Perlite Plus+ (coarse & medium sizes)

Recommended Use Refractory product for casting industry

Restrictions on Use For industrial/commercial use only

Emergency Contact / Number (800) 558-9244

SECTION 2: HAZARD IDENTIFICATION**Hazards**

Product is Not Classified.

Signal Word None

Precautionary Statements

Not Applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS#	Component Percent
Perlite	93763-70-3	100

SECTION 4: FIRST AID MEASURES**Eye Contact**

May cause irritation or abrasion if eyes are rubbed. Flush eyes with clean, lukewarm water for at least 15 minutes while holding eyelids open. Remove contacts. Get medical attention, preferably an ophthalmologist, if irritation or pain occurs and persists.

Skin Contact

May cause abrasion or irritation. Wash affected area with mild soap and water then rinse with water. Remove any contaminated clothing and wash before reuse. Get medical attention if skin irritation or rash occurs and persists.

Ingestion

If swallowed obtain immediate medical attention. Do not induce vomiting without medical direction. Never give anything by mouth to an unconscious person. Keep victim's head below hips if vomiting occurs to prevent aspiration.

Inhalation

May cause nose, throat, or respiratory passage irritation. Remove to fresh air and seek medical attention if adverse effects are observed.

Most Important Symptoms / Effects

Lung irritation, hoarseness, skin rash, eye irritation

Indication of Immediate Medical Attention and Special Treatment, If Necessary

Persistent lung irritation

SECTION 5: FIREFIGHTING MEASURES**Suitable and Unsuitable Extinguishing Media**

Product will not burn. Use water spray or fog, dry chemical, or foam as appropriate for surrounding fire. No known unsuitable materials.

Specific Hazards Arising from the Chemical

None known.

Specific Protective Equipment and Precautions for Fire-Fighters

Follow good fire-fighting practices.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions

Minimize dust during cleanup. Avoid skin or eye contact with spilled material. See Section 8 for personal protection gear.

Environmental Precautions

Product is not an environmental hazard.

Methods for Cleaning Up

Collect for reuse or disposal. Vacuum clean dust with equipment fitted with HEPA filter. Use dust suppressant such as water if sweeping is necessary.

SECTION 7: HANDLING AND STORAGE

Handling and Storage

Avoid creating and do not breathe dust. Store in clearly labeled container. Observe all label precautions and warnings. Do not store near hydrofluoric acid (see Section 10).

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits

Component Name

ACGIH

OSHA

Perlite (CAS 93763-70-3)

Not Established

15 mg/m³ (total)

Nuisance dust

10 mg/m³

5 mg/m³ (respirable)

Engineering Controls

Use appropriate ventilation to maintain good air quality; avoid breathing dust; use appropriate respirator if applicable.

Eye and Face Protection

Wear safety glasses or chemical safety goggles to protect eyes from dust.

Skin Protection

Wear protective gloves to avoid abrasion.

Respiratory Protection

Maintain good ventilation or air flow. Wear suitable respiratory protection to avoid inhalation of dust.

General Hygiene

Follow accepted work practices to avoid dust inhalation. Do not eat, drink, or smoke in areas where this product is used. Wash thoroughly with soap and water after task or shift, when using the restroom or before eating.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State	Grayish-brown solid	Flash Point (open cup)	Not Applicable
Specific Gravity (Water=1)	1.30	Upper Flammability Limits	Not Applicable
Evaporation Rate (ether = 1)	Not Applicable	Lower Flammability Limits	Not Applicable
pH	6 – 10	Auto-ignition Temperature	Not Applicable
Solubility in Water	Slightly soluble	Decomposition Temperature	Not Applicable
Odor	None	Vapor Pressure	Not Applicable
Odor Threshold	Not Applicable	Vapor Density (Air=1)	Not Applicable
Melting/Freezing Point	Not Determined	Partition Coefficient (n-octanol/water)	Not Applicable
Boiling Range	Not Determined	Viscosity (cSt @ 40 °C)	Not Applicable
Initial Boiling Point	Not Determined	Critical Temperature	Not Applicable

Note: Physical and chemical properties are provided for safety, health and environmental considerations and do not fully represent product specifications. Those should be requested separately.

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Not reactive under normal storage and use conditions.

Chemical Stability

Stable under normal storage and use conditions.

Possibility of Hazardous Reactions

Will not react under normal conditions.

Conditions to Avoid

None known

Incompatible Materials

Reacts with hydrofluoric acid to form silicon tetrafluoride gas.

Hazardous Decomposition Products

None known

SECTION 11: TOXICOLOGICAL INFORMATION**Acute Toxicity Effects**

Likely routes of exposure are dust inhalation, skin, and eye contact. Skin or eye contact may cause irritation or abrasion from rubbing. There are no reports of adverse health effects from exposure to perlite dust; however, inhalable dust levels should be maintained below the OSHA Permissible Exposure Limit shown in Section 8.

Chronic Toxicity Effects

Long term or repeated exposure may aggravate any acute symptoms. Perlite is a naturally occurring volcanic glass and does not contain detectable amounts of crystalline silica.

Carcinogenicity

NTP, OSHA and IARC have not identified any carcinogenic ingredients in this product.

SECTION 12: ECOLOGICAL INFORMATION

This product is not classified as hazardous to the aquatic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Do not dispose to sewer. Dispose of material and empty containers in accordance with local, state/province, and federal environmental regulations.

SECTION 14: TRANSPORT INFORMATION

DOT, IMDG, IATA Not Regulated

SECTION 15: REGULATORY INFORMATION

Chemical Inventories	All ingredients are listed or exempt from listing on the TSCA, active (U.S.) and DSL (Canada) inventories.
SARA 311/312 Reporting Categories	None
SARA 313 Reportable Ingredients	None
California Prop 65	None

SECTION 16: OTHER INFORMATION

HMIS, NFPA Rating Health=0; Flammability=0; Reactivity=0

Department Issuing SDS Health and Safety

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