

MSDS

In accordance with NBR 14725:2023



CHEMICAL PRODUCT SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Natural graphite
Company Identification: South Star Battery Metals Corp.
(www.southstarbatterymetals.com)
Barão of Triunfo Street, 612 – Block 1805/1806
Brooklyn Paulista
São Paulo, SP – Brasil
ZIP Code 04.602-002

For information, call: Phone: +55 (11) 5039-2547;
Email: info@southstarbatterymetals.com

Emergency Telephone Number: Phone: +55 (11) 5039-2547 / +55 (73) 3191-1145

Recommended Use: Additive for increased conductivity, lubrication and friction reduction.

Usage restrictions: Not intended for food consumption or medicinal use.

SECTION 2 - RISK IDENTIFICATION

Hazard classification: Carcinogenic category 1A

Label information:

Pictograms (USA GHS):



Signal Word (GHS US): Danger

Hazard Statements (USA GHS): May cause lung damage through prolonged or repeated exposure.

Intake Declarations (GHS US):

Avoid breathing dust
Use in a well-ventilated place.
If medical advice is needed, have the label or SDS handy.
HNOC: None identified.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: Natural Graphite

Common Name: Natural Graphite

Name	CAS No.
Natural Graphite	7782-42-5

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Chemicals where a trade secret is claimed: None

SECTION 4 - FIRST AID MEASURES

General: In case of prolonged or other adverse effects, consult a doctor.

If side effects persist, consult a doctor.

Remove contaminated clothing and shoes immediately and wash them thoroughly before reusing.

Inhalation: Removal from open air exposure.

If the practitioner is having difficulty, administer oxygen.

If the athlete stops, start physical therapy immediately.

Seek medical attention.

Eye contact: Hold eyelids open and flush eyes with water for at least 15 minutes.

Skin contact: Wash with water and mild soap.

Ingestion: Rinse mouth with water and do not induce vomiting.

Do not give anything by mouth to an unconscious person.

SECTION 5 - FIRE FIGHTING MEASURES

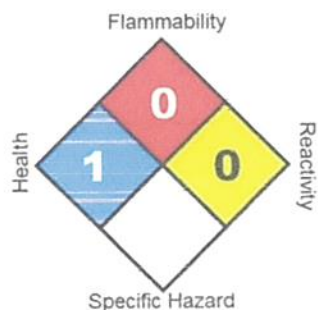
General Information: As with any fire, use MSHA/NIOSH (approved or equivalent) pressure-demand self-contained power apparatus and full protective gear.

Extinguishing media: For small fires, use water mist spray, dry chemical powder, carbon dioxide or dry chemical foam.

Hazards from thermal pollution: Carbon dioxide at temperatures above 450 °C

NFPA Rating:	Health	1
	Flammability	0
	Reactivity	0

Firefighter Precautions: As in any fire, use self-contained pressure apparatus – require OSHA/NIOSH (approved or equivalent) and full protective gear.



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SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and general information:

If adequate ventilation is not possible for cleaning, wear appropriate personal protective equipment as indicated in Section 8.

Avoid sweeping or shoveling quickly, as this will create dust. Slipping is a potential hazard during cleaning.

Environmental precautions:

In case of spillage, prevent entry into drains or waterways.

Organize collection and disposal without creating dust.

Keep in suitable containers for disposal. Dispose of in accordance with local, state and federal regulations.

Reference to other sections:

Section 7: Handling and storage

Section 8: Personal protective equipment

Section 13: Disposal information

SECTION 7 - HANDLING AND STORAGE

Hiking precautions:

Avoid contact with eyes, skin and clothing.

Avoid ingesting and inhaling the dust.

Ensure adequate ventilation and use of appropriate PPE.

Work/hygiene practices: Wash exposed skin with soap and water after handling this product.

Recommendations for safe storage:

Store in a cool, dry place.

Store in a tightly closed container when not in use.

Graffiti causes slippery conditions.

Graphite, being conductive, can cause short circuits and other electrical variations.

Store away from strong oxidizing agents.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Name	CAS #	OSHA PEL	ACGIH TLV	Other limits	%
Graphite, Natural (like total dust) (like breathable dust)	7782-42-5	15 mg/ m ³ 5 mg/ m ³	N/A 2 mg/ m ³	None	>95
Silica like quartz (breathable)	14808-60-7	0.5 mg/ m ³	0.5 mg/ m ³		>0.1 - <1.5

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Engineering Controls: Use adequate ventilation to avoid breathing or dust.

Personal Protective Equipment:

Eyes: Appropriate safety glasses or chemical goggles are recommended as described by OSHA's eye and face protection regulations at 29 CFR 1910.133.

Skin: To avoid skin contact, wear protective work clothing and gloves to prevent exposure.

Clothing: For good hygiene, wear custom-fitted protective clothing to minimize skin contact.

Respirators: Use a NIOSH-approved particulate respirator when adequate ventilation is not available. not present.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Evaporation Rate: Not applicable

Appearance: Granulated or powdered

Color: Gray to black

Melting point: >3000 °C (5432 °F)

Odor: None

Freezing point: No data available

Vapor pressure: No data available

Boiling Point: No data available

Vapor Density: No data available

Water solubility: Insoluble

Flammability: Non-flammable

Specific gravity: 2.15 – 2.35 g/cm³

Autoignition temperature: >450 °C (842 °F)

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: This product is stable and non-reactive under normal conditions of storage, transportation and use.

Chemical Stability: Stable under normal temperatures and pressure.

Conditions to avoid: May form combustible dust.

Incompatibilities with other materials: May react when mixed with strong oxidizing agents.

Hazardous products: Carbon dioxide.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute oral toxicity: Not classified.

Acute dermal toxicity: Not classified.

Acute inhalation toxicity: Inhalation of dusts over a prolonged period of time can cause lung damage.

Eyes: Non-irritating.

Skin: Does not irritate or sensitize.

Inhalation: Inhaling after for a prolonged period can cause lung damage.

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Carcinogenicity: This product may contain Crystalline Silica impurities present in the form of quartz, listed as a Group 1 carcinogen.

The main route of exposure is inhalation of dust particles.

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity: Not considered to be harmful to aquatics or to have negative effects on the environment.

Bioaccumulation and degradability: No information available.

Mobility in soil: No information available.

Other adverse effects: No information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

US DOT: Not regulated.

IMO/IMGD Shipment Description: Unregulated.

ICAO/IATA Transport Description: Not regulated.

SECTION 15 - REGULATORY INFORMATION

Graphite (CAS # 7782-42-5) is not listed as a hazardous material under U.S. federal regulations.

Silica, Quartz (CAS no. 14808-60-7) presents as impurities in Natural Graphite is listed as a hazardous material according to US Federal Regulations.

US Federal Regulations:

TSCA (Toxic Substance Control ACT) : This product is listed on the TSCA inventory: CAS-N. 7782-42-5.

Clean Air Act : No ingredients are listed.

Clean Water Act (CWA): No ingredients are listed.

IARC: Silica (quartz) listed as a Group 1 Carcinogen

State Regulations:

New Jersey Worker and Community Right-to-Know Act: None of the ingredients are listed.

Pennsylvania Hazardous Substances List, the following ingredients are listed: CAS-No. 7782-42-5



California Proposition 65: Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Canada Federal Regulations:

DSL/NDSL (Canada) Listed on DSL Inventory: CAS-No. 7782-42-5 Workplace Hazardous Materials Information System (WHMIS) – Canada: This product has been classified in accordance with the hazard criteria of the

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Controlled Products Regulations and the SDS contains all information required by the Controlled Products Regulations.

WHMIS Classification: Not classified as hazardous

National Pollutant Release Inventory – Appendix 1 – Canada: None of the ingredients listed.

National Pollutant Release Inventory – Appendix 2 – Canada: None of the ingredients listed National and other regulations met,

restrictions and prohibition listings

Inventory of Existing Chemical Substances Manufactured or Imported in China (ECSC) MIT/ENCS (Japan) Toxic Substances Control Act (TSCA) Domestic Substances List, DSL (Canada) New Zealand: Not subject to the provisions of the HSNO Act

SECTION 16 - OTHER INFORMATION

Revision date: August 12, 2024.

NE = Not established, N. A = Not determined, Prop. = Owner

Represent the best information currently available to South Star Battery Metals Corp. However, South Star Battery Metals Corp. does not guarantee the accuracy of the information provided. Users should make their own investigations to determine whether the information is suitable for their specific purposes. In no way does South Star Battery Metals Corp. be liable for any third-party claims, losses or damages or for lost profits or any special, indirect, incidental, consequential or exemplary damages, however arising, even if South Star Battery Metals Corp. has been advised of the possibility of such damages.