



Material: GRAPHITE FOR FOUNDRY

MATERIAL SAFETY DATA SHEET

Section I. Identification of the Substance and of the Company

Product Name Graphite for Foundry

Distributor:

GritSablare

Headquarter: 10 Eliza Zamfirescu Leonida Street, Bucharest

Storage & Logistic: Constanța Seaport, Gate 2, SORENA Platform, Constanța, Romania

Phone: (+4) 0722.279.481

Email: comercialgritsablare@gmail.com

Website: www.gritsablare.ro

Section II. Chemical Composition

Parameters:	Specs	Typical (%)	Method (Test)
Fixed Carbon	99.00% min	99.58	By difference *
Carbon (LOI)	Report	99.93	By difference
Ash	0.50% max	0.07	TGA701
Volatile	0.50% max	0.35	TGA701
Moisture	Report	0.03	TGA701
Sulphur	0.03% max	0.003	S144DR
Hydrogen (ppm)	Report	23 ppm	ONH836
Nitrogen (ppm)	150 max	84 ppm	ONH836
Real Density (g/ml)	2.18 min	2.22	Micrometrics

* Value of Fixed Carbon = 100% - (A% + V%)

Section III. Sizes

Parameters (µm/ mm/ mesh)	Specs (%)	Typical (%)	Method (Test)
+6350/+ 6.35/+2.36	Report	1.2	RO-TAP % retained on 2.36 Mesh ASTM screen
+2000/+2.00/+10	80~100	92.3	RO-TAP % retained on 10 Mesh ASTM screen
-2000/-2.00/-10	Report	6.5	RO-TAP % passing 10 Mesh ASTM screen

Section IV. Hazards Identification

Routes of Entry	<ul style="list-style-type: none"> ▪ INHALATION: Yes ▪ SKIN: No ▪ INGESTION: Yes
Health Hazards (acute and chronic):	<ul style="list-style-type: none"> ▪ Inhalation of dust may result in irritation of mucous membranes. Long term inhalation may result in pneumoconiosis.
Carcinogenicity:	<ul style="list-style-type: none"> ▪ NTP: No ▪ IARC Monographs: No ▪ OSHA Regulated: No
Signs and Symptoms of Exposure:	<ul style="list-style-type: none"> ▪ Not known other than that mentioned in the health hazards.
Medical Conditions Generally Aggravated by Exposure:	<ul style="list-style-type: none"> ▪ No medical conditions are known to be aggravated by this product.

Section V. First Aid Measures

Eyes:	Flush thoroughly with water for 15 minutes. Get medical attention.
Skin:	Wash exposed skin with soap and water. If irritation persists get medical attention. Launder severely contaminated clothing before reuse.
Ingestion:	Do not induce vomiting. Get medical attention.
Inhalation:	Remove to fresh air area. If breathing becomes difficult, get medical attention.

Section VI. Fire fighting Measures

Flash Point:	(method) Not applicable
Flammable Limits:	<ul style="list-style-type: none"> ▪ LEL: Not applicable ▪ UEL: Not applicable
Extinguishing Media:	Water, carbon dioxide, foam or dry chemical.
Special Fire Fighting Procedures:	Wear NIOSH approved self contained breathing apparatus to fight a fire involving this material.
Unusual fire and Explosion Hazards:	None

NFPA Hazard Rating:	<ul style="list-style-type: none"> ▪ Health: 1 ▪ Flammability: 0 ▪ Reactivity: 0
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Section VII. Accidental Release Measures

Spill/Leak Procedures: Carefully sweep up material and wash floor with soap and water. Containerize for solid waste disposal.

Section VIII. Handling and Storage

Handling and Storage Precautions: Keep containers tightly closed when not in use. Graphite causes slippery conditions. Graphite, being conductive, can cause short circuits and other electrical malfunctions.

Section IX. Exposure Controls/Personal Protection

Respiratory Protection (specify type): Use NIOSH/MSHA approved mask for chemical products if ACGIH, OSHA and/or TWA limits will be exceeded.

- Local Exhaust: Not required
- Mechanical (general): Recommended
- Special: None
- Other: None

Eye/Face Protection: Safety glasses, goggles or face shield. Eye wash station should be available. **Skin Protection:** Use cotton gloves. Safety shower should be available.

Section X. Physical/Chemical Characteristics

Physical State:	Solid
Appearance:	Gray
Odour:	None
Specific Gravity (H ₂ O=1):	2.25
Boiling Point:	Not applicable
Melting Point:	>5000F
Vapour Pressure (mm Hg):	Not applicable
Vapour Density (air=1):	Not applicable

Section XI. Stability and Reactivity

Stability:	Material is stable.
Incompatibility (materials to avoid):	Strong oxidizing agents, acids and alkalis.
Hazardous Decomposition Products:	On burning, may release carbon dioxide and carbon monoxide.
Hazardous Polymerization:	Will not occur.

Section XII. Toxicological Information

Toxicological Information	None available.
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Section XIII. Ecological Information

Ecological Information	None available.
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Section XIV. Disposal Considerations

Disposal Considerations	Dispose of in accordance with local, state and federal regulations.
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Section XV. Transport Information

Transport Information	Not regulated.
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Section XVI. Regulatory Information

Regulatory Information	All components of this product are on the TSCA inventory.
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