



Material: GARNET ABRASIVE FOR WATER JET CUTTING

MATERIAL SAFETY DATA SHEET

Section I. Identification of the Substance and of the Company

Product Name Garnet Abrasive for Water Jet Cutting

Distributor:

GritSablare

Headquarter: 10 Eliza Zamfirescu Leonida Street, Bucharest

Storage & Logistic: Termele Romane Street (between Gate 1 / Gate 2), Constanta Seaport, Romania

Phone: (+4) 0722.279.481

Fax: (+4) 0372.870.589

Email: comercialgritsablare@gmail.com

Website: www.gritsablare.ro

Section II. Chemical Composition

Composition	Fe₂O₃:	38,1%
	SiO₂ (non-crystalline):	35,2%
	Al₂O₃:	18,9%
	MgO:	2,5%
	P₂O₅:	0,06%
	Na₂O:	0,03%
	ZrO₂:	0,03%
	K₂O:	0,02%
	TiO₂:	2%

Section III. Specifications

Hardness 7.0 – 8.0 (Mohs Scale)

Specific Weight 3.9 – 4.1 g/cm³

Section IV. Hazards Identification

Other Hazards

- According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.
- According to European Directive 1999/45/EC this material is not considered dangerous.

Section V. First Aid Measures

Inhalation

IF INHALED: Move victim to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention immediately.

Skin

In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Wash skin with soap and water.

Eye

In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion

Get medical attention if symptoms occur.

Notes to Physician

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section VI. Fire fighting Measures

Suitable Extinguishing Media

In case of fire, use the same extinguishing methods and substances as for surrounding area of garnet abrasive. No special actions are necessary.

Section VII. Accidental Release Measures

Personal Precautions

Do not walk through spilled material. Wear appropriate Personal Protective Equipment (PPE)

Emergency Procedures

As an immediate precautionary measure, isolate spill or leak area for at least 25 meters (75 feet) in all directions.

Environmental precautions

Avoid run off to waterways and sewers.

Containment/Clean-up Measures

Avoid generating dust. Sweep or vacuum up material for disposal or recovery.

Section VIII. Handling and Storage

Handling	No special precautions necessary for normal handling of the material. Use only with adequate ventilation. Do not breathe dust. Wear appropriate personal protective equipment, avoid direct contact.
Storage	No special precautions necessary for normal storage of the material. Keep container/package tightly closed and in a well-ventilated place. Store locked up.

Section IX. Exposure Controls/Personal Protection

Engineering Measures / Controls	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Respiratory	For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.
Eye/Face	Wear safety glasses.
Skin/Body	Wear protective clothing and gloves.
Environmental Exposure Controls	Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

Section X. Stability and Reactivity

Reactivity	No dangerous reaction known under conditions of normal use.
Chemical stability	Stable
Possibility of hazardous reactions	Hazardous polymerization will not occur

Section XI. Ecological Information

Toxicity	Material data lacking.
Persistence and degradability	Material data lacking.
Bio accumulative potential	Material data lacking.
Mobility in Soil	Material data lacking.
Results of PBT and vPvB assessment	No PBT and vPvB assessment has been conducted.
Other adverse effects	No studies have been found.

Section XII. Disposal Considerations

Product waste	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Packaging waste	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section XIII. Transport Information

Special precautions for user	None specified.
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