

GritSablare Tel: +4 0722 279 481 +4 0725 984 004

Email: comercialgritsablare@gmail.com Web: www.gritsablare.ro

Professional Blasting Materials



# Material: GARNET ABRASIVE

MATERIAL SAFETY DATA SHEET

Section I. Identification of t	the Substance and	of the Company
Product Name chants the chants	Garnet Abrasive	and the constant of the consta
္ Synonyms ခြင္လ ခြ	Almandine and P	Pyrope Garnet
Relevant identified use(s)	Industrial Abrasiv Abrasive	ve, Blast Cleaning Abrasives, Water Jet Cutting
Distributor:	GritSablare	
Guild and Children	Headquarter:	10 Eliza Zamfirescu Leonida Street, Bucharest
The second secon	Storage & Logistic:	Constanța Seaport, Gate 2, SORENA Platform, Constanța, Romania
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# Section II. 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 III. Mineral Composition

	Mixtures			Garnet (Al	mandite)			98%	
J.			ton de the ton	Ilmenite				1 – 2%	
	CHIPHAN CHIPHAN	The Call Market	the state of	Quartz	Call Standard Inc.	GROAD TO	- 45 - 88 - 10 - 10 - 10 - 10 - 10 - 10 - 10	0.5%	GRISAS
				Others				0.5%	



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Section IV. **Specifications Physical Characteristics** Specific Weight 4.1 g/cm<sup>3</sup> Average Bulk 2.4 g/cm<sup>3</sup> 7.5 – 8.0 (Mohs Scale) Hardness **Other Characteristics** Crystal System Cubic Habit 🔍 Dodecadnedron with occasional Trapezohedron Fracture Sub-Conchoidal Durability Very good **Free Flow** 90% Minimum Susceptibility to Acid None Moisture Absorption Non Hygroscopic, Inert. Magnetism Very Slightly Magnetic Conductivity Less than 25 Microsiemens per Meter Radio Activity Not-detectable above background **Pathological Effects** None Free Silica Content None **Analysis & Characteristics** Alumina Al<sub>2</sub>O<sub>3</sub> 16.60 - 18.10% Iron Fe<sub>2</sub>O<sub>3</sub> 27.80 - 29.85% Silica SiO<sub>2</sub> 37.20 - 37.90% 4.70 - 4.51% Magnesium MgO 4.95 - 9.48% Calcium CaO Titanium TiO<sub>2</sub> 2.5 - 3.1% Phosphorous P2O5 0.05% Manganese MnO 0.5% Zircon ZrO2 Traces Chloride Content Less than 20 ppm Soluble Salts Less than 90 ppm Ph of Aqueous Medium 6.93 Gypsum Content Nil **Moisture Content** Less than 0.5% Carbonate Content Traces Loss on Ignition Nil Metal Content (Specifically Free Iron, Traces Free Copper and Other Heavy Metals)



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### **First Aid Measures** Section V.

Inhalation Constant Constant	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

Notes to Physician

Get medical attention if symptoms occur.

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.

#### **Firefighting Measures** Section VI.

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.

### **Accidental Release Measures** Section VII.

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

Storage

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.

No special precautions necessary for normal storage of the material. Keep container/package tightly closed and in a well-ventilated place. Store locked up.



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# Section IX. Exposure Controls/Personal Protection

### Engineering Measures / Controls

Respiratory

Eye/Face Skin/Body Environmental Exposure 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.

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.

Wear safety glasses.

Wear protective clothing and gloves.

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. Physical and Chemical Properties

	A CHI CHI CHI	The att the att
Material Description	Physical Form	Solid of a
	Color	Reddish brown to pink
the second	Appearance / Description	Reddish brown to pink grains with no odor
	Odor	Odorless
General Properties	Boiling Point	Data not available
	Decomposition Temperature	> 750°C (> 1,382°F)
	Specific Gravity/Relative Density	4.1 Water = 1
the state of the state of the	Water Solubility	Insoluble
Charles Charle	Explosive Properties	Non-explosive
	Melting Point	1,315°C (2,399°F)
the plan plan plan	Bulk Density	2.4 g/cm <sup>3</sup>
Flammability	Flammability (solid, gas)	Non-flammable

# Section XI. Stability and Reactivity

Reactivity		No dangerou:	s reaction kr	nown under c	onditions of i	normal use.
Chemical stat	oility	Stable	A Star	A State	A State	A Real Provide State



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Possibility of hazardous reactions

Hazardous polymerization will not occur

### **Stability and Reactivity** Section XII.

Inhalation	Orther State
The case	
Skin	
Skin Eye	The contraction of the contracti
Ingestion	

Carcinogenic Effects

- Acute (Immediate): Exposure to dust may cause irritation. Chronic (Delayed): Inhalation of dusts released in the atmosphere containing crystalline silica may cause lung injury or disease including silicosis and/or cancer.
- Acute (Immediate): May cause abrasions.
- Chronic (Delayed): No data available.
- Acute (Immediate): Exposure to dust may cause irritation.
- Chronic (Delayed): No data available.
- Acute (Immediate): No known effects, however ingestion not recommended.
- Chronic (Delayed): No data available.

This product contains crystalline silica as cristobalite and/or quartz. IARC Monographs on Evaluation of Carcinogenic Risk of Chemicals to Humans (Monograph 68, 1997) concludes that there is sufficient evidence for the carcinogenicity of crystalline silica to humans(IARC Group I). Crystalline Silica is classified as a Known Carcinogen according to NTP.

### **Ecological Information** Section XIII.

Toxicity	Material data lacking.	
Persistence and degradability	Material data lacking.	-581 391
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 XIV. 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.	



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# Section XV. Transport Information

Special precautions for user

None specified.

# Section XVI. Regulatory Information

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	Chemical Safety Assess	sment	No Chemical	Safety Assessr	nent has be	en carried ou	st o	
2 	Other Information		WARNING: Th	is product cor	ntains a cher	nical known	to the State	of 🔍
N. S. S.	A A A A A A A A A A A A A A A A A A A	States of the second se	California to o	ause cancer.	A A A A A A A A A A A A A A A A A A A	1715 Add An	A Star	J. S.

# **Disclaimer/Statement of Liability**

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