

1. Chemical Product and Company Identification**1.1 Identification of the chemical:**

Product Name:	GRIT
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1.2 Identified uses of chemicals:

Purpose, area of use:	Abrasive sandblasting. The product is intended for professional use.
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1.3. Data on company placing the chemical on the market:

Manufacturer:	GRIT COMMERCE DOO Mutapova 7, 11000 Beograd, SRBIJA tel: +381 11 20 99 555 www.gritcommerce.rs
Person responsible:	Igor Marković, Managing Director tel: +381 64 670 47 50 igor.markovic@gritcommerce.rs

1.4. Emergency telephones:

Telephone:	Product information: +381 62 228 807, Radoje Matić Emergency telephone: 194 National Poison Control Centre: +381 11 3672 187 Emergency toxicologist (24 hours): +381 11 3608 440
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2. Hazards Identification**2.1. Classification of substance or mixture:**

Category 1 , Causes serious eye damage Category 2 , Skin corrosion/irritation Category 3 , Respiratory tract irritation
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2.2. Labelling elements [Signal words]: Danger**Hazard pictograms:****Hazard statements:**

H315: Causes skin irritation.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.

Precautionary statements:

P261: Avoid breathing dust.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary statements - Response:

P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P332+P313: If skin irritation occurs get medical attention.
P362: Take off contaminated clothing and wash before reuse.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.
 P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P312: Immediately call a POISON CENTER or doctor/physician.

Precautionary statements — Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.
 P405: Store locked up.
 P501: Dispose of contents/container in accordance with national regulation.

2.3 Supplemental hazard information:

None

3. Composition and Information on Ingredients

Composition: A mixture of solids granulation 0.2-2.83 mm.

Chemical name	Concentration (% w/w)	CAS EINECS	Classification (ES) No. 1272/2008
Iron (II) oxide	49 - 53	1345-25-1 215-721-8	-
Silicon (IV) oxide	33 - 39	7631-86-9 231-545-4	-
Aluminum (III) oxide	3 - 7	1344-28-1 215-691-6	-
Calcium (II) oxide	1 - 7	1305-78-8 215-138-9	H315, H318, H335
Copper	0.65 - 0.95	7440-50-8 231-159-6	-

4. First Aid Measures**4.1 Description of the first aid measures:**

If inhaled:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the injured person is not breathing, administer CPR. Consult a physician.
If on skin:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
If in eyes:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

4.2 Most important symptoms and effects, both acute and chronic:

Acute effects:	
If inhaled:	Cough, chest pain, breathing difficulties, gastrointestinal disturbances.
If on skin:	Mild irritation of the skin, local redness.
If in eyes:	Mild inflammation of the eye: the painful burning and itching, tearing and pain.

If swallowed:	Gastrointestinal disturbance
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Chronic effects:

Symptoms of systemic poisoning can include kidney and liver toxicity, corrosive effect on the gastrointestinal mucosa, the effect on the central nervous system followed by depression, convulsions, paralysis and coma.
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4.3 Information about any emergency medical assistance and special treatment:

	No data available
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5. Fire fighting measures

5.1 Extinguishing media:

Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon-dioxide.
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5.2 Special exposure hazards arising from the chemical, combustion products, resulting gases:

Special exposure hazards:	There is a possibility of forming iron and silicon oxides.
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5.3 Advice for firefighters

Special protective equipment for fire-fighters:	If necessary, wear self-contained breathing apparatus for respiratory protection during fire fighting.
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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Personal protection measures:	Use personal protective equipment. Avoid breathing dust. Ensure adequate ventilation. Avoid dust formation. For personal protection see section 8.
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6.2 Environmental precautions:

Environmental precautions:	Do not let product enter drains.
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6.3 Methods and materials for containment and cleaning up:

Cleaning procedures for disposal:	Soak up the spilled product with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.
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6.4 The reference to other provisions:

	Disposal of waste - section 13; The use of personal protective equipment – section 8.
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7. Handling and storage

7.1 Safe handling precautions:

Personal protection measures:	Avoid contact with skin and eyes. Avoid breathing dust. Provide appropriate exhaust ventilation in places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment.
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Instructions for safe handling:	Keep container tightly closed in a dry place with good ventilation. Wear protective clothing fully covering skin to prevent dust penetration while using. Suit the work wear with a hose for supply of clean air. Wear protective leather gloves and safety shoes.
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7.2 Suitable and unsuitable conditions for safe storage:

Technical measures and conditions:	Store in tightly sealed container in a cool, well-ventilated area.
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7.3 Specific requirements

Packaging materials:	SUITABLE: Big bag 1,5 t.
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8. Exposure controls and personal protection

8.1. Exposure control:

Specific control parameters	The product does not contain substances with exposure limit
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for exposure control:	values at work.
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8.2 Personal protection**Appropriate technical and technological controls:**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the day.

Respiratory protection:	Where risk assessment shows that air-purifying respirators are adequate, use respirator that covers the entire face with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to technical controls. If the respirator is the sole means of protection, use a full-face respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Hand protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid contact of this product with the skin. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry your hands. The selected protective gloves have to comply with the specifications laid down in Directive 89/689 / EEC I standard EN 374 derived from the Directive.
Eye protection:	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Skin protection:	Impervious clothing.

9. Physical and chemical properties**9.1 Basic physical and chemical properties**

appearance:	solid
colour:	black
odour:	-
pH (ep extract l/s=10/1 mg/kg)	8,35
boiling point:	-
flash point:	-
auto-ignition temperature	-
relative density (kg/l):	3,6 - 3,8
9.2 other information relevant to safety	
water solubility;	insoluble
organic solvents kg/kg of products; EU 1999/13:	-
proportion of organic carbon (ep extract l/s = 10/1 mg/kg):	28,7

10. Stability and reactivity**10.1 Reactivity:**

Reactivity:	The product is stable when used in accordance with the instructions.
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10.2 Chemical stability

Stability:	The product is stable under the normal handling, storage and use. Keep tightly closed in the original packaging.
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10.3 Possibility of hazardous reactions:

Hazardous additives:	No data available
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10.4 Conditions to avoid:

Adverse conditions:	No data available
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10.5 Incompatible materials:

Materials to avoid:	No data available
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10.6 Hazardous decomposition products:

Decomposition products:	No data available
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11. Toxicological information**11.1. Toxicological information:****Acute effects - acute toxicity:**

ORAL	No data available
DERMAL	No data available
INHALATIONAL	No data available

Acute effects - acute irritation:

SKIN:	No data available
EYES:	No data available
RESPIRATORY:	No data available

Sensitisation:

SKIN:	No data available.
EYES:	No data available

Chronic effects:

The effects of repeated exposure:	Symptoms of systemic poisoning can include kidney and liver toxicity, corrosive effect on the gastrointestinal mucosa, the effect on the central nervous system followed by depression, convulsions, paralysis and coma.
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12. Ecotoxicological information**12.1 Ecotoxicity:**

Data on components:	Based on data on the components the product is not classified as dangerous for the environment. Mineralogical composition of the material and present macrocomponent make it safe for application to the quality of the environment.
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12.2 Persistence and degradability:

Biodegradability:	No data available
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12.3 Bioaccumulative potential:

Bioconcentration:	No data available
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12.4 Soil mobility:

Mobility:	This material does not come to the elution of harmful substances when using, and can be considered as inert material in terms of environmental impact.
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12.5 PBT and vPvB properties:

PBT and vPvB:	No data available
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12.6 Other adverse effects on the environment

	No data available
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13. Disposal considerations**13.1 Waste management measures:**

Product:	Product surplus can be reused, recycled or deposited in a landfill according to national legislation.
Packaging:	Dispose as unused product.

14. Transport information**14.1 UN No:**

ADR/RID: -	IMDG: -	IATA: -
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14.2 UN proper shipping name

ADR/RID: Not dangerous goods	IMDG: Not dangerous goods	IATA: Not dangerous goods
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14.3 Class (es) Transport hazard:

ADR/RID: -	IMDG: -	IATA: -
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14.4 Packing group:

ADR/RID: -	IMDG: -	IATA: -
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14.5 Environmental hazards:

ADR/RID: no	IMDG: Marine pollutant: no	IATA: Marine pollutant: no
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14.6 Special precautions for user:

No data available.

15. Regulatory information**15.1 Regulations/legislation on health, safety and environment specific to the substance and/or mixture:**

This safety data sheet is prepared in accordance with - REACH Regulation, the Law on Chemicals, Rulebook on classification, packaging, labeling and advertising of chemical and certain article and Directive 1907/2006 / EC.

15.2 Chemical Safety Assessment

A chemical safety assessment was not carried out for this product.

16. Other information

The data contained are based on our current level of knowledge and experience and characterize our product complies with the requirements concerning safety. The above information is deemed accurate but not all inclusive and shall be used only as a guideline. Use of the product is beyond our control and in case of improper application, or failure to comply with this instruction can not be held responsible for the consequences.