

# Material Safety Data Sheet

Russian Mining Chemical Company LLC

According to Regulation (EU) 2020/878

Revision date: 17.08.2021

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## SECTION 1 - Identification of the substance/mixture and the company/undertaking:

### 1.1. Product identifier:

**Product name:** MagPro® Magnesium oxide  
**Product Form:** Powder  
**Registration number:** not applicable (see section 15)  
**CAS-No.** 1309-48-4

### 1.2. Relevant identified uses of the substance or mixture and uses advised against:

**Use:**

- Acid acceptor for rubber compounds
- Thickening agent for SMC/BMC composites
- Filler for rubber compounds

**Uses advised against**

**(if any, by the supplier):** None

### 1.3. Details of the supplier of the safety data sheet:

Russian Mining Chemical Company LLC,  
115093, Russia, Moscow, Pavlovskaya street 7/1

### 1.4. Emergency Telephone number:

+7 (495) 789-65-30

## SECTION 2 - Hazards Identification

### 2.1. Classification of the substance or mixture:

**Classification in accordance with Regulation (EU) 1272/2008**

Not classified

### 2.2. Label elements:

Labelling (Regulation (EU) 1272/2008)

*Precautionary statements*

*Prevention*

P260 Do not breathe dust.

### 2.3. Other hazards:

Formation of dust is possible.  
PBT: not relevant - no registration required.  
vPvB: not relevant - no registration required.

## SECTION 3 - Composition / Information on ingredients

### 3.1. Substances:

Product does not contain any substances to be mentioned according to criteria of section 3.1 annex II Regulation (EU) 1907/2006

Formula	MgO
CAS-No.	1309-48-4
EC-No.	215-171-9
Molar mass	40,3 g/mol

### 3.2 Mixtures:

Not applicable

## SECTION 4 - First aid measures

### 4.1. Description of first aid measures:

Seek medical assistance if feeling unwell.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Skin contact:** Wash with plenty of water. Wash contaminated clothing.

**Eye contact:** Rinse out with plenty of water. Do not rub eyes.

**Ingestion:** Rinse out mouth with plenty of water and spit out the fluid. After swallowing large amounts: induce vomiting.

### 4.2. Most important symptoms and effects, both acute and delayed:

**Inhalation:** Dust can cause temporary irritation of upper respiratory tract.

**Skin contact:** Can cause irritation, drying, chapping,

**Eye contact:** Can cause irritation, redness, tearing, burning.

**Ingestion:** In large quantities causes irritation, nausea and gastrointestinal upset.

### 4.3. Indication of any immediate medical attention and special treatment needed:

not appropriate

## SECTION 5 - Firefighting measures

### 5.1. Extinguishing Media:

#### **Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### **Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

#### *5.2. Special Hazards arising from the substance or mixture:*

The substance is not combustible.

#### *5.3. Advice for firefighters:*

Use extinguishing media most appropriate for the surrounding fire.  
Firefighters should wear the usual protective clothing and self-contained breathing apparatus.

### **Further information**

Prevent fire-extinguishing water from contaminating surface water or the ground water system.

## **SECTION 6 - Accidental release measures**

#### *6.1. Personal precautions, protective equipment and emergency procedures:*

Do not inhale dust. Avoid generation of dust, skin contact and eye contact.

#### *6.2. Environmental precautions: Avoid to enter large quantities in sewerage system.*

#### *6.3. Methods and material for containment and cleaning up:*

Collect spillage with a shovel and put into a closed container. Clean up affected surface with dry method (or flush with water). Avoid generation of dust.

#### *6.4. Reference to other sections: not appropriate*

## **SECTION 7 - Handling and storage**

#### *7.1. Precautions for safe handling:*

Avoid any operation leading to the formation of excess of dust.  
Observe the exposure limit values in accordance with regulation.  
Avoid inhaling dust and fumes when in their presence or ingestion of the product.  
Wash after handling thoroughly every surface of the body that has come into contact with the product.  
Do not eat, drink or smoke when using the product.  
Clean working area frequently to avoid buildup of dust.

#### *7.2. Conditions for safe storage, including any incompatibilities:*

Dry storage required. Protect from moisture. Keep containers closed.  
Storage temperature: no restrictions.  
Avoid contact with incompatibles mentioned under item 10.

#### *7.3. Specific end use(s):* Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

## **SECTION 8 - Exposure controls / Personal protection**

### 8.1. Control parameters:

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m<sup>3</sup> fume total particulate

Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m<sup>3</sup> inhalable fraction

Immediate danger to life and health: NIOSH 750 mg/m<sup>3</sup>

A4

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classifiable as a Human Carcinogen.

Other countries: Please inform at your national authorities.

### 8.2. Exposure controls:

**Appropriate Engineering Controls:** Use process enclosures, local exhaust ventilation or other engineering controls to keep air-borne levels below recommended exposure limits (see section 8.1).

#### Individual Protection Measures:

**Eye / face protection:** Use safety glasses with side protection complying with an approved standard

**Hand protection:** Impervious protective gloves are recommended complying with an approved standard

**Skin protection:** It is recommended to wear impervious clothing and shoes to prevent repeated or prolonged skin contact.

**Respiratory protection:** Wear dust mask (Recommended Filter type: Filter P 1) complying with an approved standard

**Thermal hazards:** not identified

**Environmental exposure controls:** Do not let product enter drains.

## SECTION 9 - Physical and chemical parameters

### 9.1. Information on basic physical and chemical properties:

Physical state:	solid
Colour:	white
Odour:	odourless
Melting point/freezing point:	2.800 °C
Boiling point or initial boiling point and boiling range:	3.600 °C at 1.000 hPa
Flammability:	No information available
Lower and upper explosion limit:	not applicable
Flash point:	not applicable
Auto-ignition temperature:	No information available
Decomposition temperature:	No information available
pH:	10,3 at 20 °C (saturated solution)
Kinematic viscosity:	not applicable
Solubility:	

in water (20°C):	almost insoluble
Partition coefficient n-octanol/water (log value):	not applicable
Vapour pressure:	No information available
Relative density:	3,58 g/cm <sup>3</sup> at 25 °C
Relative vapour density:	No information available
Evaporation rate:	not applicable
Explosive limits:	not applicable
Explosive properties:	Not classified as explosive
Oxidizing properties:	None

## 9.2. Other information:

9.2.1 Information with Regard to Physical Hazard Classes: none

9.2.2 Other Safety Characteristics:

Ignition temperature	not combustible
Bulk density	ca.100 kg/m <sup>3</sup>

## SECTION 10 - Stability and reactivity

### 10.1 Reactivity

See section 10.3

### 10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature)

### 10.3 Possibility of hazardous reactions

Exothermic reaction with: halogen-halogen compounds, acids.

### 10.4 Conditions to avoid

Exposure to moisture.

10.4. Conditions to avoid: No information available

### 10.5 Incompatible materials

No information available

### 10.6 Hazardous decomposition products

No information available

## SECTION 11 - Toxicological information

General information:

Not classified as dangerous goods under Regulation (EU) 1272/2008

### 11.1 Information on toxicological effects - product

<b>Acute oral toxicity:</b>	Symptoms: In high doses: Diarrhea
<b>Acute inhalation toxicity:</b>	Symptoms: slight mucosal irritations
<b>Acute dermal toxicity:</b>	this information is not available.
<b>Skin corrosion / irritation:</b>	slight irritation
<b>Serious eye damage / irritation:</b>	slight irritation
<b>Respiratory or skin sensitization:</b>	this information is not available.
<b>Germ cell mutagenicity:</b>	this information is not available.

<b>Carcinogenicity:</b>	this information is not available.
<b>Reproductive toxicity:</b>	this information is not available.
<b>STOT-single exposure:</b>	this information is not available.
<b>STOT-repeated exposure:</b>	this information is not available.
<b>Aspiration hazard:</b>	this information is not available.

## 11.2 Information on other hazards

11.2.1 *Endocrine disrupting properties:* no information available

11.2.2 *Other information:* Quantitative data on the toxicity of this product are not available.

Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.

Handle in accordance with good industrial hygiene and safety practice.

## SECTION 12 - Ecological information

### 12.1 Toxicity

No information available.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

### 12.6 Endocrine disrupting properties:

Not applicable

### 12.7. Other adverse effects:

Not identified

### Additional ecological information

We have no quantitative data concerning the ecological effects of this product.

## SECTION 13 - Disposal considerations

Chemical residues generally are considered as special waste. Therefore we recommend to contact the authorities in charge or approved waste disposal companies how to dispose of the waste. The disposal has to be done in compliance with national and regional regulations.

### 13.1 Waste treatment methods:

Disposal must be done according to official regulations. Do not discharge into drains or the environment. Do not dispose of domestic waste.

## SECTION 14 - Transport information

### 14.1. UN number or ID number:

Not applicable

### 14.2. UN proper shipping name:

Not applicable

### 14.3. Transport Hazard Class:

Not applicable

14.4. <i>Packing group:</i>	Not applicable
14.5. <i>Environmental hazards:</i>	Not applicable
14.6. <i>Special precautions for user:</i>	Not applicable
14.7. <i>Maritime transport in bulk according to IMO instruments:</i>	Not applicable

## **SECTION 15 – Regulatory information**

### *15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture:*

#### **Europe:**

Major Accident Hazard Legislation SEVESO III  
Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer  
Not regulated

Contains no REACH substances with Annex XVII restrictions.

Contains no substances on the REACH candidate list.

Contains no REACH Annex XIV substances.

Contains no substances subjected to Regulation (EU) No 649/2012 of the European Parliament of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substances subjected to Regulation (EU) No 2019/1021 of the European Parliament of the Council of 20 June 2019 on persistent organic pollutants.

The substance is exempted from the obligation to register according to Regulation 1907/2006 (REACH). See Regulation 987/2008: annex 5, item 10.

#### **USA:**

US Federal Regulations:  
No additional information available

US State Regulations:  
No additional information available

#### **Turkey:**

Substance is exempted from obligation to register according to KKDIK Regulation 2017 (Turkish REACH): See Regulation Annex V, article 2(5)(b), paragraph 10

#### **National legislation**

Storage class pursuant to TRGS 510 13

*15.2. Chemical safety assessment* Not applicable

## **SECTION 16 - Other information**

Used abbreviations and acronyms can be looked up at [www.wikipedia.org](http://www.wikipedia.org).

The information in this Safety Data Sheet is based on our present knowledge and experience. The Safety Data Sheet characterizes the product with regard to the appropriate safety precautions. The information does not represent a guarantee of the properties of the product.

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