

SECURITY FILE

MAGNESIUM POWDER

1) IDENTIFICATION OF THE SUBSTANCE AND COMPANY.

1.1 - Product identifier. Name of the preparation: magnesium powder.

1.2 - Relevant identified uses of the mixture and uses advised. Information not available.

1.3 - Supplier's data.

Business name: Aludesign S.p.A. via Torchio 22, 24034 Cisano B.sco BG (Italy)

Telephone: +39 035 783595

Fax: +39 035 782339

E-mail: commerciale@aludesign.it

Website: www.climbingtechnology.com

Telephone urgencies: 112 (emergency telephone number)

1.4 - Presentation. Powdered product. Blister PVC 3L (approximately 450 gr), and properly labeled.

1.5 - Recommendations for use.

- For use in indoor climbing walls, bouldering or rock climbing.
- It avoids dirt on the pads and it reduces quantity of magnesium on the climbing holds.
- Help to keep your hands dry in the most demanding situations.
- This presentation contains more magnesium in the same volume as other types of magnesium, with the advantage that it does not crumble during transport and does not wear that quickly.
- This is a compound that acts as a drying agent (in addition to many other uses) for topical use for sport in general: climbing, weightlifting and gymnastics.

2) HAZARDS IDENTIFICATIONS.

2.1 - Specific identification: not applicable.

2.2 - Special labeling: not applicable.

3) COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Components:

- Magnesium Carbonate gray powder: CAS Number: 546-93-0.

Magnesium carbonate (magnesite) is a mineral findable in nature. The product is calcined to obtain: $4MgCO_3Mg(OH)25H_2O$ is subsequently sieved. Hygroscopic product: preserve from humid environments.

The certificate of quality of raw materials ensures that:

- the production of the raw material complies with ISO 9001;
- it is certified for food use;
- absence of heavy metals;
- it does not contain any allergen;
- it does not contain and it has not been in contact with gluten.

4) FIRST AID.

4.1 - Eyes: in case of contact with eyes, rinse immediately with plenty of water, seek immediate medical attention.

4.2 - Skin: in case of skin irritation, wash with soap and water (if necessary remove contaminated clothing). Consult a doctor if irritation persists.

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4.3 - Inhalation: in case of interrupted breathing, in case of respiratory difficulty, artificial respiration should be applied. Remove from exposure and immediately to fresh air.

4.4 - Ingestion:

- if the person is conscious supply 1 or 2 glasses of water and induce vomiting.
- keep the person at rest, seek immediate medical attention.

5) FIRE FIGHTING MEASURES.

- Not flammable.
- Not combustible.

6) MEASURES IN CASE OF ACCIDENTAL RELEASE.

It is not expected any reaction, being packaged in small quantities.

7) HANDLING AND STORAGE.

7.1 - Handling:

Use with adequate ventilation Minimize dust generation and accumulation Avoid contact with eyes, skin and clothing. Do not breathe dust.

7.2 - Storage:

Store in a cool, dry, well -ventilated area away from incompatible substances. Keep away from strong acids.

8) EXPOSURE CONTROLS / PERSONAL PROTECTION.

- As the product is available in packs of 450 g, such controls do not apply.

Exposure Limits:

Threshold Limit Value (TLV)

ACGIH

5 mg / m³ of respirable particles and 10 mg / m³ of inhalable particles.

NIOSH

10 mg / m³ TWA (total dust);

5 mg / m³ TWA (respirable dust)

(Figure in list under magnesium carbonate).

OSHA - Permissible Exposure Limit (PEL) Final

15 mg / m³ (total dust);

5 mg / m³ (respirable fraction)

9) PHYSICAL AND CHEMICAL PROPERTIES.

MAGNESIUM CARBONATE	
Physical form	Crystalline solid
Aspect	White powder
Odor	Without smell
Molecular weight	485,52
Specific weight	2,16

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Decomposition temperature	Above 250 ° C
Boiling point	N/A
Freezing / Melting Point	N/A
PH	There is no information.
Vapour pressure	N/A
Vapour Density	N/A
Solubility	Slightly soluble in water (0.04 g / 100 ml water)

10) STABILITY AND REACTIVITY.

10.1 - Reactivity.

The product does not present hazards in terms of reactivity.

10.2 - Chemical stability.

Provided that recommended handling and storage are respected.

10.3 - Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions

11) TOXICOLOGICAL INFORMATION.

Toxicity Data:	LD50: Not applicable. LC50: Not applicable.
Chronic toxicity:	Not applicable.
Epidemiology:	No information available.
Teratogenicity:	No information available.
Neurotoxicity:	No information available.

12) ECOLOGICAL INFORMATION.

Hazard symbols:	None
Risk Warnings:	No hazards
Acute ecotoxicity:	No information available.
Chronic ecotoxicity:	No information available
Mobility:	As solid aerosol.
Dissipation:	N / A
Bioaccumulation potential:	N / A

13) DISPOSAL CONSIDERATIONS.

Waste management:

- Dispose in compliance with local and national regulations.
- Placing the product on an approved industrial landfill or neutralize with HCl: hydrochloric acid, for removing large quantities.

Packaging treatment:

- Rinse the container with water and treat the effluent like wastes or send the container to an approved industrial incineration plant.
- The empty and clean containers may be reused in accordance with local regulations.

14) TRANSPORT INFORMATION.

There is no danger during transport.

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15) REGULATORY INFORMATION.

EUROPEAN REGULATIONS / INTERNATIONAL

European Labeling according to EC directives

Hazard symbols: none.

Risk Warnings: no risk.

Safety Tips: none.

WGK (Water Protection Act)

CAS # 546-93-0: 0

Canada - DSL / NDSL:

None of the substances in this product is listed on the DSL or NDSL lists.

Canada -WHMIS:

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the Safety Data Sheet (MSDS) contains all the information required by those regulations.

16) OTHER INFORMATION.

The information in this Material Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as the working conditions of users are beyond our knowledge and control. The product should not be used for purposes other than those specified, without written instructions about handling. It is always your responsibility to take appropriate measures in order to comply with the laws requirements.

In case of combinations and mixtures, you have to make sure that no new dangers can arise. This information does not exempt, in any case, the user from observing the whole assembly of the legislative, regulatory and administrative texts related to the product, the protection of human health and the environment.

We recommend carrying out basic training with regard to occupational health and safety for proper handling of the product, in volumes greater than 20 L.

The information provided in this Material Safety Data Sheet has been prepared in accordance with Regulation (EU) No 453/2010 of 20 May 2010 amending Commission Regulation (EC) No 1907/2006 OF PARLIAMENT European Parliament and Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Agency for Chemicals was created, amending Directive 1999/45 / EC and Regulation (EEC) No 793/93 and Regulation (EC) No 1488/94 and Directive 76/769 / EEC and Directives 91/155 repealing / EEC, 93/67 / EEC, 93/105 / EC and 2000/21 / EC.

Cisano Bergamasco, 08-10-2020

Managing Director
Riccardo Losa

Attention! All the content of the following document corresponds to what indicated in the security file FSEMG3000EEN rev. October 2015.

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