

**SAFETY DATA SHEET**  
**according to Regulation (EC) No. 1907/2006 (REACH)**

**Liquid magnesium**

Date of issue: 3.9.2013

Version number: 1

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

**1.1. Product identifier**

Trade name Liquid magnesium

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

Magnesium for athletes such as: sports climbing.

**1.3. Details of the supplier of the safety data sheet**

<b>Manufacturer</b>	<b>Chalk, spol. s r.o.</b>
Address	Suchodol 20, Suchodol, 26101 Czech Republic
Telephone number	+420 737 950 475
Email	chalk@chalk.cz
Web	http://www.chalk.cz

**Competent person responsible for the safety data sheet**

GRACILIS s.r.o., info@gracilis.cz

**1.4. Emergency telephone number**

Toxicological Information Centre Prague (TIS), Address: Na Bojišti 1, Praha

Telephone number: Telephone number: Tel. No.: +420 224 919 293 or +420 224 919 293 or +420 224 915 402 - non stop

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification according to Directive 67/548/EEC or Directive 1999/45/ESC**

The mixture is classified as dangerous.

highly flammable: F; R11  
irritant: Xi; R36  
sensitising: R43  
R67

**Classification according to Regulation EC No 1272/2008**

The mixture is classified as dangerous.

Flam. Liq. 2; H225  
Skin. Sens. 1; H317  
Eye Irrit. 2; H319  
STOT SE 3; H336

For R-phrases and H-statements in full: see heading 16.

**The most important adverse physicochemical, human health and environmental effects**

Highly flammable liquid and vapour. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness.

**2.2. Label elements**

**Labelling according to Regulation EC No 1272/2008**



Substance(s)

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rosin; colophony

rosin; colophony

**H-statements**

H225 Highly flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

**P-statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P271 Use only outdoors or in a well-ventilated area.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container to local/national regulations.

**2.3. Other hazards**

undefined

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

Name of agent	Index number EC (EINECS) CAS Registration number	Classification according to 67/548/EEC	Classification according to 1272/2008	Concentration %
propan-2-ol	603-117-00-0 200-661-7 67-63-0 -	F, Xi; R11, R36, R67	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3 H225 H319 H336	75 - 90
Magnesium carbonate hydroxide	- 235-192-7 12125-28-9 -			10 - 25
rosin; colophony	650-015-00-7 277-299-1 73138-82-6 -	Xi; R43	Skin. Sens. 1 H317	1 - 5
rosin; colophony	650-015-00-7 232-475-7 8050-09-7 -	Xi; R43	Skin. Sens. 1 H317	1 - 5

*For R-phrases and H-statements in full: see heading 16.*

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**After inhalation**

Immediately interrupt exposure. Move the victim into fresh air. Keep the person warm and resting. Respiratory problems: consult a doctor/medical attention.

**After skin contact**

In case of allergic reaction, wash with plenty of lukewarm water. Get medical attention if any discomfort continues.

**After eye contact**

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Remove any contact lenses. Immediately flush eyes with plenty of water for 10-15 minutes, occasionally lift the upper and lower eyelids. Do not apply neutralizing agents. Get medical attention.

**After ingestion**

Do not induce vomiting - the actual induction of vomiting may cause complications (inhalation into the respiratory tract and lungs, for example detergents and other substances forming foam or mechanical damage to the lining of the mucosa). If possible, give victim charcoal in small amounts (1-2 crushed tablets). Get medical attention immediately and show this label.

**4.2. Most important symptoms and effects, both acute and delayed**

**After inhalation**

Possible respiratory irritation, cough and headache.

**After skin contact**

In the case of an allergic reaction may occur painful redness and irritation.

**After eye contact**

Causes severe eye irritation.

**After ingestion**

Irritation, nausea.

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

In case there are medical problems or in case of doubt, get medical attention immediately and show this label. If the victim is unconscious take him in recovery position. NEVER induce vomiting by an unconscious person. If the victim vomits itself, be sure to avoid aspiration of vomit. When life-threatening conditions occur at first resuscitate affected person and seek medical advice. Respiratory arrest - immediately perform artificial respiration. Cardiac arrest - immediately perform indirect heart massage.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

carbon dioxide, dry powder, water spray, alcohol resistant foam

**Unsuitable extinguishing media**

undefined

**5.2. Special hazards arising from the substance or mixture**

Fire will produce dense black smoke. Hazardous decomposition products formed under fire conditions. Carbon dioxide (CO<sub>2</sub>), Carbon monoxide and other toxic gas. Exposure to decomposition products may cause a health hazard.

**5.3. Advice for firefighters**

The mixture is highly flammable. Self contained breathing apparatus and full protective clothing must be worn in case of fire. Closed containers exposed to fire should be cooled with water. Do not allow run-off from fire-fighting to enter drains or watercourses.

**SECTION 6: Accidental release measures**

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

Eliminate sources of ignition and ventilate the area. Do not breathe in vapor or mist. Wear protective equipment. Keep unprotected persons away.

**6.2. Environmental precautions**

Do not allow product to reach sewage system or any water course. Inform respective authorities in case of large seepage into water course or sewage system.

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

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Stop leaking if possible without risk. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, soil, vermiculite or diatomaceous soil, and place in container for disposal according to local regulations (see section 13). Clean contaminated surfaces with an excess of water; avoid use of solvents. Do not use solvents.

**6.4. Reference to other sections**

See Section 7,8 and 13.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Store and use away from heat, sparks, open flame or another ignition source. Keep out of direct sunlight. Avoid breathing vapor or mist. Do not get in eyes. Put on appropriate personal protective equipment (see Section 8). Keep strict hygiene.

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

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area. Keep away from food, drink and animal feeding stuffs. Storage class - 3A flammable liquids (flash point below 55 ° C), volume - 100/150/200/250ml, type of packaging - laminated tube, plastic bottle, packaging material - HDPE (2), high-density polyethylene.

**7.3. Specific end use(s)**

Make sure the information supplied by the manufacturer for the identified use.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**8.2. Exposure controls**

The usual precautionary measures are to be adhered to when handling chemicals. Provide adequate ventilation. Use exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. If cannot be met OEL must be used appropriate respiratory protection must be used. Do not eat, drink or smoke. After work and before breaks wash your hands thoroughly with soap and water. Keep strict hygiene.

**Respiratory protection**

In normal use is not required. In excess of NPK-P toxic substances or in poorly ventilated environment use mask with filter against organic vapors.

**Skin protection**

In normal use is not required. For prolonged or repeated contact with the product is recommended gloves. Respect the specific glove manufacturer recommendations for selection of appropriate thickness and permeability of the material. In the case of dry skin, use protective cream.

**Eye/face protection**

Safety goggles.

**Thermal hazards**

Undefined.

**Environmental exposure controls**

Keep the usual measures for environmental protection, See Section 6.2.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Appearance	suspension
Physical state	liquid
Colour	white
Odour	alcoholic

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Odour threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range:	No data available
Flash point	-0.7 - 2.3 °C
Evaporation rate	No data available
Flammability	No data available
Flammability limits	No data available
Explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Solubility	Insoluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

**9.2. Other information**

undefined

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

Undefined.

**10.2. Chemical stability**

Mixture is stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Mixture is stable under normal conditions.

**10.4. Conditions to avoid**

In normal conditions mixture does not dangerously react with other substances.

**10.5. Incompatible materials**

Keep away from strong acids and oxidizing agents.

**10.6. Hazardous decomposition products**

Under normal conditions no dangerous decomposition products known. In case of fire or heat operation, hazardous decomposition products can be released, such as: carbon monoxide, carbon dioxide.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**

There are no toxicological data available on this mixture.

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**Acute toxicity of substances**

propan-2-ol (CAS: 67-63-0, EC:200-661-7)

LD50, Oral, Rat	4570 mg.kg <sup>-1</sup>
LD50, Dermal, Rabbit	12800 mg.kg <sup>-1</sup>
LC50, Inhalation, Rat	30 mg.l <sup>-1</sup> /4 hod

**Irritation**

Causes severe eye irritation.

**Corrosivity**

Based on the available data does not meet the criteria for classification.

**Sensitisation**

May cause an allergic skin reaction.

**Repeated dose toxicity**

Based on the available data does not meet the criteria for classification.

**Carcinogenicity**

Based on the available data does not meet the criteria for classification.

**Mutagenicity**

Based on the available data does not meet the criteria for classification.

**Reproductive toxicity**

Based on the available data does not meet the criteria for classification.

**SECTION 12: Ecological information**

**12.1. Toxicity**

There are no ecotoxicological data available on this mixture. Do not allow product to penetrate and getting into sewage system and watercourses.

**Toxicity of substances**

propan-2-ol (CAS: 67-63-0, EC:200-661-7)

LC50, 96 h, Fishes	9640 mg.l <sup>-1</sup> (test: Pimephales promelas)
EC50, 48 h, Daphnia	> 100 mg.l <sup>-1</sup> (test: Daphnia magna)
IC50, 72 h, Algae	> 1000 mg.l <sup>-1</sup> (test: Scenedesmus subspicatus)

**12.2. Persistence and degradability**

No data available

**12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

The mixture contains no PBT a vPvB substances.

**12.6. Other adverse effects**

No data available

**SECTION 13: Disposal considerations**

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**13.1. Waste treatment methods**

Recycle or dispose of waste in compliance with local and/or national regulations, preferably via a certified collector or company. Product residues and uncleaned empty containers should be disposed like hazardous waste. Do not allow to enter drains or watercourses. Empty waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Code of the waste** 150110 \*  
packaging containing residues of or contaminated by dangerous substances  
packaging (including separately collected municipal packaging waste)  
WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED

**Code of the packaging waste** 150102  
plastic packaging  
packaging (including separately collected municipal packaging waste)  
WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED

**Legislation on wastes**

Directive 2008/98/EC, decision 2001/118/EC.

**SECTION 14: Transport information**

**14.1. UN number**

UN 1993

**14.2. UN proper shipping name**

FLAMMABLE LIQUID, N.O.S. propanol-2-ol

**14.3. Transport hazard class(es)**

3 (Flammable liquids)

**14.4. Packing group**

II

**14.5. Environmental hazards**

No data available

**14.6. Special precautions for user**

undefined

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

undefined

**Additional information ADR/RID:**

Class	3 (Flammable liquids)
Classification code	F1
Packing group	II
Label	3

**Additional information IMDG:**

Class	3 (Flammable liquids)
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Packing group	II
Label	3
Marine pollutant	undefined

**Additional information:**

ICAO/IATA: ID 8000 - Consumer commodity

**SECTION 15: Regulatory information**

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

Regulation of the European Parliament and Council Regulation (EC) No 1907/2006 of 18 December 2006 concerning the Registration, Evaluation, Authorisation of Chemicals, establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488 / 94 Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances. Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations. Commission Directive 2008/47/EC of 8 April 2008 amending, for the purposes of adapting to technical progress, Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers. Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents. Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.

**15.2. Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

**Changes in the safety data sheet**

first edition

**Legend to abbreviations and acronyms**

CAS	Unique identifier of chemical substances
EC (EINECS)	European Inventory of Existing Commercial Chemical Substances
PBT	Persistent, bioaccumulative and toxic
vPvB	Very persistent and very bioaccumulative
Eye Irrit. 2	Serious eye irritation
Flam. Liq. 2	Flammable liquid
STOT SE 3	Specific target organ toxicity — single exposure
Skin. Sens. 1	Skin sensitization

**Key literature references and sources for data**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication.

**List of R phrases, hazard statements, safety phrases and/or precautionary statements used in safety data sheet**

H319	Causes serious eye irritation.
H225	Highly flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H225	Highly flammable liquid and vapour.



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H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H225	Highly flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
R 11	Highly flammable.
R 36	Irritating to eyes.
R 43	May cause sensitisation by skin contact.
R 67	Vapours may cause drowsiness and dizziness.

**Guidelines for training**

Introduce the recommended use, compulsory safety equipment, first aid and forbidden handling to your staff. The product may not be used for any purpose other than stated in the Material Safety Data Sheet (point 1.2.). User is responsible for compliance with all relevant legislation to protect health and the environment. The product should not be used without the approval of the producer / importer for purposes other than stated in Chapter 1. User is responsible for compliance with all relevant legislation to protect health.

**Disclaimer:**

The MSDS contains information on safety and health protection at work and environmental protection. These data correspond to the current state of knowledge and experience and are in compliance with applicable laws and regulations. Supplier is not responsible for any damage that may be caused by improper use of the mixture. Any modifications to the safety data sheet without the consent of the competent person are prohibited.