



SAFETY DATA SHEET

Version: 04/ EN

Revision Date: 03.02.2023

ELMINAS®

1. Identification of the Substance/ Mixture and of the Company / Undertaking

1.1. Product Identifier

Commercial product name	ELMINAS® Rheogel M30, Rheogel M20, Rheogel M10, Rheogel MF, Rheogel ML10, Rheogel MML20, Rheogel MM, Rheogel MMH, Rheogel MH40, Rheosil M50, Rheosil M100, Rheosil M140, Rheosil M400, ANFE-DF, ANFE-DB, ANFE-DM, ANFE-DC, ANFE-LF, M 15/30, M 6/30, M3/30 OB, DS, CS, CL, GR, Raw Material
Synonyms	Hydrous Magnesium Silicate, Sepiolite Clay.
CAS No.	63800-37-3
EC No.	264-465-3
REACH registration number	No obligation to register.

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Use	Inorganic thickening agent.
Use advised against	No further relevant information available.

1.3. Details of the Supplier of the Product Safety Information

Company designation	ELEMENT MINERAL A.S. Konutkent Mah. 3028. Cad. 2C/ 20 06810 Ankara/ Türkiye
E-mail (competent person)	info@elminas.com

1.4. Emergency Telephone Number

Emergency telephone number	+90 (312) 504 51 15
Mobile	+90 533 931 29 56

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to: Regulation (EC) No. 1272/2008	Not classified according to CLP regulation.
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2.2. Label Elements

Labelling according to Regulation (EC) No. 1272/2008	Void.
Hazard pictograms	Void.
Signal word	Void.
Hazard statements	Void.

2.3. Other Hazards

Particular information pertaining specific risk for human/ environment

Continued contact with respirable dust in high concentration of this product can affect the lung function. This product is not respirable when being supplied.

2.4. Results of PBT and vPvB Assessment

PBT
vPvB

Not applicable.
Not applicable.

3. Composition/ Information on Ingredients

3.1. Chemical Characterization

Chemical characterization

Hydrous Magnesium Silicate.

4. First Aid Measures

4.1. Description of First Aid Measures

General advice

In all cases of doubt, or when symptoms persist, seek medical advice.

If inhaled

Move person to fresh air. Upon discomfort, get medical advice.

In case of skin contact

Wash with water and soap.

In case of eye contact

Rinse the eyes with open eyelids for 10-15 minutes with water. If symptoms persist, seek medical advice.

If swallowed

Rinse mouth immediately and drink plenty of water.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

No further relevant information available.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

Symptomatic treatment

5. Fire Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media

The product is not combustible. Choose extinguishing media suitable for surrounding fire.

Extinguishing media which must not be used for safety reasons

None.

5.2. Special Hazards Arising from the Substance or Mixture

No further relevant information available.

5.3. Advice for Fire Fighters

Special protective equipment

Wear self-contained respiratory protective device.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions

Ensure adequate ventilation. Avoid formation of dust. Use respiratory protective device against the effects of fumes/ dust/aerosol. Wear protective clothing.

6.2. Environmental Precautions

Environmental precautions

No special measures required.

6.3. Methods and Material for Containment and Cleaning Up

Pick up mechanically. Residues with water. Make sure to recycle dispose of in suitable receptacles.

6.4. Reference to Other Sections

See section 7 for information on safe handling, section 8 for information on personal protection equipment and section 13 for disposal information.

7. Handling and Storage

7.1. Precautions for Safe Handling

Precautions safe handling

Ensure good ventilation/ exhaustion at the workplace. Prevent formation of dust. Avoid inhalation of dust. Avoid contact with eyes and skin.

Information about protection against explosions and fires

The product is not flammable.

7.2. Conditions for Safe Storage, Including any Incompatibilities Storage

Requirements to met by store rooms and receptacles

Store at ambient temperatures and at dry conditions

Information about storage in one common storage facility

Store away from foodstuffs. Store away from feed.

Further information about storage conditions

Keep receptacle tightly sealed. Store in dry conditions.

Storage class

13 Non combustible solid.

7.3. Specific End Use(s)

Avoid milling and other processes which may produce respirable dust.

8. Exposure Controls / Personal Protection

Additional information about design of technical systems

No further data, see section 7.

8.1. Control Parameters

Components with limit value that require monitoring at the work place

None.

Additional Occupational Exposure Limit Values for possible hazards during processing

Observe general threshold for dust.

Additional information

The list that were valid during the creation were used as basis.

8.2. Exposure Controls

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures should be adhered to when handling chemicals. Wash hands before breaks and at the end of the work. Do not inhale dust/ smoke/ mist. Avoid contact with eyes and skin. Do not eat or drink while working. Vacuum contaminated clothing. Do not blow or brush off contamination. Use skin protection cream for skin protection.

Breathing equipment

Use a suitable respiratory protective device in case of insufficient ventilation. In case of unintended release: Short term filter device (EN149): Filter P2.

Protection of hands

Wear chemically resistant protective gloves (tested according to DIN EN 374). To avoid skin problems reduce the wearing of gloves to the required minimum. After use of gloves apply shin-cleaning agents and skin cosmetics.

Material of gloves	Nitrile rubber, NBR. For undissolved solid substance following materials may be suitable: Fluorocarbon rubber (FKM), Polychloroprene rubber (CR), Fluorocarbon rubber (Viton). The selection of the suitable gloves does not only depend on the material but also on further marks of quality and varies from manufacturer to manufacturer.
Penetration time of glove material	The exact penetration time has to be found out by the manufacturer of protective gloves and has to be observed.
Eye protection	Basket goggles (DIN EN 58211, code number 3) or face protection shield.
Body protection	Protective work clothing.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Physical state	Solid
Form	Powder
Colour	White/ beige
Odour	Odourless
pH-value	8.5 ± 0,5 (2% sol.)
Change in condition	
Melting point/ Melting range	1550°C
Boiling point/ Boiling range	Not determined
Flash point	Not applicable
Flammability (solid, gaseous)	Product is not flammable
Danger of explosion	Product does not present an explosion hazard
Solubility in/ Miscibility with water	Insoluble

9.2. Other Information

No further relevant information available.

10. Stability and Reactivity

10.1. Reactivity

Reactivity No further information available.

10.2. Chemical Stability

Thermal decomposition/conditions to be avoided No decomposition if used and stored according to specifications.

10.3. Possibility of Hazardous Reactions

Hazardous reactions No dangerous reactions known.

10.4. Conditions to Avoid

Conditions to avoid No further relevant information available.

10.5. Incompatible Materials

Materials to avoid No further relevant information available.

10.6. Hazardous Decomposition Products

No dangerous decomposition products known.

11. Toxicological Information

11.1. Additional Information

Acute toxicity

LD/LC50 values that are relevant for classification

No toxicity data are available for the product itself.

Primary irritant effect:

On the skin

No irritating effect; however, long or repeated mechanical contact may lead to redness and slight irritation.

On the eye

Eye irritation is possible after mechanical influence (dust).

On respiratory tract

Product dust is irritating to the upper respiratory tract.

Sensitization

No sensitizing effects known.

Other information

(about experimental toxicology)

Carcinogenic, mutagenic effects and adverse effects on reproduction

No data available.

Subacute to chronic toxicity

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Additional toxicological information

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us. The substance is not subject to classification according to the latest version of the EU lists.

12. Ecological Information

12.1. Toxicity

Aquatic toxicity

LC₅₀/96h > 300 mg/l (Algae)

LC₅₀/96h > 14,000 mg/l (Carrassius auratus)

12.2. Persistence and Degradability

No further relevant information available.

12.3. Bioaccumulative Potential

No further relevant information available.

12.4. Mobility in Soil

No further relevant information available.

Additional ecological information

General notes

Not hazardous to water according to VwVwS (German regulation) appendix 1 dated 27.7.2005.

12.5. Results of PBT and vPvB Assessment

PBT

Not applicable.

vPvB

Not applicable.

12.5. Other Adverse Effects

Further information on ecology

No further relevant information available.

13. Disposal Considerations

13.1. Waste Treatment Methods

Recommendation

Disposal according to instructions of local authorities. Contact manufacturer for recycling information. Must be recycled or disposed of according to the regulations. Waste has to be classified according to the European Waste Catalogue based on the identification of the waste generating source.

European waste catalogue

06 00 00 WASTES FROM INORGANIC CHEMICAL PROCESSES

06 13 00 WASTES FROM INORGANIC CHEMICAL PROCESSES NOT OTHERWISE SPECIFIED

06 13 99 WASTES NOT OTHERWISE SPECIFIED

Uncleaned packaging

Recommendation

Non contaminated packaging can be used for recycling. Disposal has to be done according to official regulations.

14. Transport Information

14.1. UN-Number ADR, ADN, IMDG;(IATA)*

(not restricted under IATA regulations)*

Void.

14.2. UN proper shipping name

ADR, ADN, IMDG, (IATA)*

(not restricted under IATA regulations)*

Void.

14.3. Transport hazard class(es)

ADR, ADN, IMDG,(IATA)* Class

(not restricted under IATA regulations)*

Void.

14.4. Packing group ADR, IMDG, (IATA)*

(not restricted under IATA regulations)*

Void.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according

to Annex II of MARPOL73/ 78 and

the IBC Code UN "Model Regulation"

Not applicable.

15. Regulatory Information

15.1. Safety, Health and Environment Regulations / Legislations Specific for the Substance or Mixture

National regulations

Specific national regulations must be considered.

Water hazards class

Non-hazardous for water according to VwVw from 27.07.2005 (German regulation).

15.2. Chemical Safety Assessment

A chemical Safety Assessment has not been carried out.

16. Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Reasons for amendments: Waste catalogue code, toxicological information, ecological information.

Replaces version dated: 14.01.2022

Department issuing SDS

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Abbreviations and Acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the international Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 %

LD50: Lethal dose, 50 %

Sources: IARC (International Agency for Research on Cancer)
