



JSC «KAUSTIK»

Volgograd
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Safety Data Sheet

Magnesium Hydroxide

Version 1.7. Page 1 of 13

In accordance with REACH Regulation (EC) 1907/2006, as amended by Regulation (EC) 2020/878

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/EC REPRESENTATIVE/ MANUFACTURER

1.1 Product identifiers

IUPAC name:	Magnesium dihydroxide
Synonyms::	Magnesium dihydrate, hydrate of magnesia, caustic magnesia
EC number:	215-170-3
EC name:	Magnesium hydroxide
CAS number:	1309-42-8
CAS name:	Magnesium hydroxide
RTECS:	OM3570000
Reference number:	01-2119488756-18-0034
Trade name:	NikoMag of various grades

1.2 Relevant identified uses of the substance

Magnesium hydroxide is used as highly effective non-toxic inorganic flame retardant, filler, and smoke suppressant additive for production of plastics and filled (co)polymer compounds based on elastomers, thermosets, thermoplastics, including those based on polyvinylchloride, polyamides, polystyrene, polyethylene, polypropylene, polyethylene terephthalate, ultrathene, and so on, in paper and cardboard industry, as a mild neutralizing agent for waste and natural water treatment, as raw material in chemical and pharmaceutical industry. For more details, see the Appendix.

The substance is intended for industrial use only. It has no use restrictions, when used as intended.

1.3 Details of the supplier of the safety data sheet /EC representative:

Manufacturer:	KAUSTIK JSC, Volgograd
Address (postal and registered office):	40 let VLKSM str., 57, Volgograd, Russia, 400097
Telephone:	+7(8442) 40 63 03, +7(8442) 40 66 10
E-mail:	spk@kaustik.ru
Contact name:	Aleksey Chebotarev
EC representative:	Kaustik Europe b.v.
Address (postal and registered office):	Wijnhaven 3-L, 3011 WG Rotterdam, The Netherlands
Telephone:	+31104111114; fax: +31104049922
E-mail:	office@kaustik-europe.com
Contact name:	Vladimir Khodyrev

1.4 Emergency telephone number	+7(8442) 406610 or +7(8442) 406750 from 8 a.m. to 5 p.m., Moscow time (UTC +3).
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SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance

This substance is not classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP) or persistent, bioaccumulative and toxic according to Regulation (EC) No. 1907/2006.

2.2 Label elements:

Symbol: None
Signal word: None



2.3 Other hazards

2.3.1 Data and findings regarding bioaccumulativity and toxicity (PBT) or persistence of a bioaccumulative substance (vPvB)

According to the REACH Regulation, PBT /vPvB assessment is not applicable to inorganic substances.

Magnesium hydroxide is not persistent, bioaccumulative or toxic based on quantitative and qualitative evidence presented.

2.3.2 Summary and overall Conclusions on endocrine disruptor (ED)

Magnesium hydroxide is not an endocrine disruptor as defined in Commission Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

Danger prevention measures:

If in eyes, carefully rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, seek medical aid. Wash your hands after work.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances

Chemical name (according to IUPAC)

Magnesium dihydroxide

Chemical formula

Mg(OH)₂, H-O-Mg-O-H

General composition data

Unmodified and modified grades of magnesium hydroxide are produced with different specific surface areas.

Components

Ingredients:	CAS No.	EC No. (EINECS, EILINCS)	Content, wt. %
Magnesium hydroxide Mg(OH) ₂	1309-42-8	EC 215-170-3	no less than 97,0
Possible modifiers:			
Silane mixture*			no more than 2,0
Fatty acids, C16-18**	67701-03-5	EINECS 266-928-5	no more than 2,5

* The composition of the modifying system can be provided on request.

In accordance with the Regulation (EC) No. 1272/2008 (CLP), the components of the silane mixture in the indicated concentration do not change the classification of modified magnesium hydroxide.

**Fatty acids, C16-18, registration № 01-2119543709-29-XXXX.

Fatty acids, C16-18 is not classified as hazardous to health or the environment according to Regulation (EC) No. 1272/2008.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled:

Move to fresh air, keep warm and quiet. Seek medical advice if necessary.

In case of skin contact:

Remove contaminated clothes. Wash skin with running water and soap. Seek medical advice if necessary.

In case of eye contact:

Flush eyes with running water for several minutes, while keeping the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice if necessary.



In case of ingestion:

Rinse mouth with water, drink plenty of water, take activated charcoal, saline purgative. Seek medical advice if necessary.

First aid kit:

Cotton, glass eye cup, saline purgative, activated charcoal.

4.2 Most important symptoms and effects, both acute and delayed

In case of intoxication by inhalation:

Inhalation in high concentrations may cause irritation to throat, coughing, sore throat, irregular respiratory rhythm, headache, fever.

In case of skin contact:

Slight irritant effect on skin (slight hyperemia).

In case of intoxication by ingestion (if swallowed):

Swallowing of large quantities may cause abdominal pains, nausea, vomiting, diarrhea, drowsiness.

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

Not required

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing means

The product is non-combustible. Any fire extinguishing media can be used in its presence. If combustion occurs, use water, dry powder extinguishers, sand, fire blanket.

Forbidden extinguishing measures:

None

5.2 Special hazards arising from the substance

Non-combustible, fire - and explosion-safe.

Fire and explosion hazards

None, because the product is non-combustible and non-explosive.

Combustion and/or thermal degradation products hazard:

Thermal degradation product is magnesium oxide.

5.3 Advice for firefighters

As the product is non-flammable, use extinguishing measures for combustion sources. The combustion process can be involved packing

Personal protective equipment for fire-fighting:

In case of fire, wear self-contained breathing apparatus.

Use personal protective equipment.

Wear chemical-resistant oversuit.

Specific fire-fighting procedures:

If possible, remove containers with the product from the fire area.



SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedure

6.1.1 For non-emergency personnel

For collective protection, all rooms where magnesium hydroxide is produced, used and stored must be equipped with suction and exhaust ventilation ensuring workplace air quality to meet the regulatory requirements. The manufacturing equipment must be earthed. Persons exposed to the substance must be provided with individual protection means.

6.1.2 Personal safety equipment

See Section 8. Persons exposed to the product must be provided with individual protection means: special clothing (cotton fabric suit); safety footwear (rubber boots); rubber gloves; filter respirators; clear lens safety goggles.

6.2 Environmental precautions

If scattered indoors, sweep up the clean solid product into a suitable container and recover into the process for reuse. Wash the scattering area with water leading the wash water to the industrial sewage system. All operations require the use of individual protection means. Sweep up the contaminated scattered and spilled product into a suitable container and send it for disposal to the facilities approved by the local supervision agencies.

Ensure an intensive ventilation in the premises.

If scattered outdoors (transport accident) keep away all personnel not involved in emergency response. All entrants must wear individual protection means and keep upwind. Using a spade, collect the scattered magnesium hydroxide and spilled magnesium hydroxide suspension into a suitable container together with the surface layer and send it for disposal to the facilities approved by the local supervision agencies. Collect scattered and intact packages with the product and send them for the purpose intended.

6.3 Methods and materials for containment and cleaning Up

See Section 5. The product is non-combustible. Cool down the product containers placed in the vicinity of the fire with water/foam trying to avoid combustion, damage to the package and scattering of the product.

6.4 Reference to other sections

Treat recovered material as described in the sections 7,8,13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions

Safety measures and collective means of protection

See Sections 6,8. Manufacturing equipment must be sealed. Avoid damage to the integrity of transport package. Ensure ventilation of the premises. The operating personnel must be trained in safe handling of the product and be provided with individual protection means.

Environmental protection is ensured by the observance of manufacturing instructions, air-tightness of the manufacturing equipment, and package integrity. Workplace air quality must be regularly monitored in the production rooms. Cleaned workspace air must be discharged to the atmosphere. Waste water resulting from washing and wet cleaning must be sent to biological treatment plants. Do not allow product to reach water bodies, soil or sewage system.



7.2 Conditions of safe storage, including any incompatibilities

Conditions and periods of safe storage:

See Sections 7,8. Magnesium hydroxide must be kept in original containers, in indoor storage areas away from humidity and at least one meter away from heating devices.

Storage temperature: no restrictions. Guaranteed shelf life is two years from the date of manufacture.

Incompatible substances and materials:

Organics, acids.

Safety measures and storage precautions for domestic use:

The product is not designed for domestic use.

Recommended packaging materials:

Magnesium hydroxide with net weight up to 50 kg shall be packed in air-tight polyethylene valve bags, polypropylene bags, polypropylene valve bags with polyethylene lining, laminated polypropylene bags, or other bags. Magnesium hydroxide with net weight up to 1000 kg shall be packed in soft containers made of polypropylene fabric type MKR-1000, specially designed for loose and wet products. As agreed with the customer, other packaging types and weights can be used provided that they guarantee the absolute safety of the products and do not compromise their properties.

7.3 Specific end use(s)

Included as an ingredient in polymer products, chemical raw materials, food supplements used as prescribed by food producers.

pH control agent.

The exposure scenarios are given in the Appendix.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Workplace Control Parameters

Depending on the OEL for total dust of 10 mg/m³ for inert respirable dust and 3 mg/m³ for inhalable dust 10 mg/m³.

8.1.2 Engineering Controls to Keep Exposure Within Permissible Limits

Air-tight equipment, general suction and exhaust ventilation. The equipment must be ESD safe.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Avoid the formation of dust.

Observe the established rules of industrial hygiene and safety

8.2.2 Personal Protection Means for Personnel

General guidelines:

Preliminary and regular medical examinations for the personnel. Compliance with industrial hygiene regulations.

Respiratory protection: any type of aerosol filter.

Protective clothing (material, type):

Special clothing (cotton fabric suit); clear lens safety goggles; rubber gloves.

Personal protective equipment for domestic use: Not used.

8.2.3 Environmental exposure controls

No special measures are required.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Index

a) Physical state	Solid substance
b) Colour	White
c) Odour	No specific odor
d) Melting/freezing point, °C	>350 °C decomposition
e) Initial boiling point and boiling range, °C	Do not apply to solids
f) Flammability	Non inflammable
g) Lower and upper explosion limit	Do not apply to solids
h) Flash point	Do not apply
i) Auto-ignition temperature	Do not apply
j) Decomposition temperature	The substance is not self-reactive
k) pH	9,5-10,5
l) Kinematic viscosity	Do not apply to solids
m) Water solubility at 20 °C, mg/l	9.0-11.6
n) Partition coefficient: n-octanol/water	Not defined. When dissolved, the substance forms an inorganic ionic liquid
o) Vapor pressure	Do not apply to solids
p) Relative density, g/cm ³	2,35 – 2,46
q) Relative vapour density	Do not apply to solids
r) Particle characteristics	White powder
Particle size distribution, µm:	0,5-8,5

9.2 Other information

Fat insoluble, absorbs oil on particle surface

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None.

10.2 Chemical stability:

The product is stable if operation and storage conditions are observed.

10.3 Possibility of hazardous reactions:

Reacts with alkali, ammonium salts, sulfur, selenium, phosphorus, hydrogen sulfide, phosphine.

10.4 Conditions to avoid:

N/A.

10.5 Incompatible materials:

Avoid contact with organic substances, acids, alkali.

10.6 Hazardous decomposition products:

None.



SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes

Acute toxicity (oral)	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (DL₅₀), route of entry (intra-gastric, cutaneous), animal; CL₅₀, exposure time (h), animal):

DL₅₀ >2000 mg/kg, intra-gastric, rats;

CL₅₀ >2100 mg /l, rats, 4 h [6,7].

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Magnesium hydroxide is not an endocrine disruptor as defined in Regulations ((EC) No 1907/2006, (EC) No 2017/2100, (EC) No 2018/605).

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Hygienic regulations:

Components	TLV water or approximate permissible level in water, mg/l (LC, hazard class)	TLV fishery or ASIL fishery, mg/l (LC, hazard class)
Magnesium hydroxide	TLV water, magnesium 50 mg/l, organoleptic – adds flavour, hazard class 3. pH monitoring required/should be within the range of 6.5 to 8.5.	TLV fishery, magnesium (for water-soluble forms) 40 mg/l, sanitary-toxicological, hazard class 4; for water bodies 940 mg/l at 13-18 ‰, toxicological, hazard class 4. pH monitoring required/should be within the range of 6.5 to 8.5.



CL₅₀=306,79 mg/l, Pimephales promelas, 96 h;
CL₅₀=775,8 mg/l, Oncorhynchus mykiss, 96 h;
CL₅₀=170,86 mg/l, Daphnia magna, 96 h;
EC₅₀>100 mg/l, Pseudokirchneriella, 72 h [6,7].

12.2 Persistence and degradability

The product is stable in abiotic conditions. It is transformed by the environment into basic magnesium carbonate. The product affects organoleptic properties of water, gives specific flavour to water. It changes pH of water and soil. It is of low toxicity to water life.

12.3 Bioaccumulative potential

Not relevant

12.4 Mobility in soil

Magnesium is transformed by the environment into basic magnesium carbonate.

12.5 Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6 Endocrine disrupting properties

Magnesium hydroxide is not an endocrine disruptor.

12.7 Other adverse effects

The product changes organoleptic properties of water, adds specific flavour to water.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Treat recovered material as described in the sections 7,8.

Description of places and methods used to neutralize, dispose of or remove the substance (material) waste, including its package:

Clean product residues must be collected into a container and recovered into the process for reuse. Contaminated product must be collected into a container and sent for disposal to the facilities approved by the local supervision agencies. Wash water contaminated with waste product must be sent to biological treatment plants. Non-returnable packages cleaned from the product must be collected into containers and sent for disposal to the facilities approved by the local supervision agencies; combustible packages may be sent for incineration in the industrial waste incinerator.

Waste handling precautions for waste resulting from product use, storage, transportation, etc.

See Sections 6-8. All operations with the product residues require the use of individual protection means and must be carried out in a ventilated room. The personnel handling the product must be familiar with the physical and chemical properties, toxicity behavior of the product, must be given instructions, trained and assessed as having the knowledge of procedures for safe handling of product residues.

Guidelines for disposal of waste resulting from domestic usage of the product:

Not applicable.



SECTION 14: TRANSPORT INFORMATION

Ground transport (ADR/RID)

14.1 UN number	Not classified
14.2 Proper shipping name	Magnesium hydroxide (type)
14.3 Transportation hazard category	Non-hazardous goods
14.4 Packaging group	None
14.5 Ecological hazards	None
14.6 Special user precautions	None

Water transport (ADN)

14.1 UN number	Not classified
14.2 Proper shipping name	Magnesium hydroxide (type)
14.3 Transportation hazard category	Non-hazardous goods
14.4 Packaging group	None
14.5 Ecological hazards	None
14.6 Special user precautions	None

Maritime transport (IMDG)

14.1 UN number	Not classified
14.2 Proper shipping name	Magnesium hydroxide (type)
14.3 Transportation hazard category	Non-hazardous goods
14.4 Packaging group	None
14.5 Ecological hazards	None
14.6 Special user precautions	None

Air transport (ICAO)

14.1 UN number	Not classified
14.2 Proper shipping name	Magnesium hydroxide (type)
14.3 Transportation hazard category	Non-hazardous goods
14.4 Packaging group	None
14.5 Ecological hazards	None
14.6 Special user precautions	None

Transport marking:

"Protect from moisture"

14.7 Bulk transportation according to IMO instruments (Chapter VI or Chapter VII of SOLAS, Annex II or Annex V of MARPOL, the IBC Code, the IMSBC Code, and the IGC Code or its earlier versions, namely EGC Code or GC Code)

Not applicable



SECTION 15: REGULATORY INFORMATION

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

- This product is not controlled under international conventions and agreements (Montreal Protocol, Stockholm Convention, etc.).
- The substance does not apply to "Hazardous Chemicals" included in the OSHA standard for hazard communication, 29 CFR 1910.1200.
- Storage class pursuant to TRGS 510 13.
- EU. Plastic Food Contact Materials (FCMs) per Regulation 10/2011/EU (Union List), Directive 282/2008/EC on Recycled Plastic FCMs, 28 March 2008, amended by Regulation 2015/1906/EU, 23 October 2015 - - the substance is allowed for use.
- EU. Union List of Authorised Substances: Annex I, Plastics Food Contact Regulation 10/2011/EU, as amended by Regulation 2020/1245/EU, 3 September 2020 - the substance is allowed for use.

15.2. Chemical safety assessment

Chemical safety assessment has been carried out for this substance.

15.3. National Regulatory Status Information

According to the regulations of the Russian Federation magnesium hydroxide has the following hazard statements and precautionary statements [1]:

Signal word: Warning

Hazard pictogram: None

Brief hazard description

H320: Causes eye irritation.

Safe Handling Measures (preventing)

P264: Wash hands thoroughly after handling.

Accidental Release Measures (reacting)

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

P337+P311: If eye irritation persists: Call a POISON CENTER or doctor.

Safe Storage Conditions

P402+P233: Store in a dry place. Keep container tightly closed.



SECTION 16: OTHER INFORMATION

Training Advice

Read the safety data sheet before using the product.

Recommended restrictions on use:

No restrictions if used as intended.

Advice on Using the Information Stated in the Safety Data Sheet

The European SDS format compliant with the applicable European legislation is not intended for use nor distribution in countries outside the European Union with the exception of Norway and Switzerland. Safety datasheets applicable in other countries/regions are available upon request.

The information given corresponds to the current state of our knowledge and experience of the product, and is not exhaustive. This applies to product which conforms to the specification, unless otherwise stated. In case of combinations and mixtures one must make sure that no new dangers can arise. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the product, personal hygiene, as well as protection of human welfare and the environment.

Responsible executives, who receive this data sheet, must guarantee that every person, which might use, treat, dispose of or otherwise contact with the product, have read and understood the information described here properly. Note that appearance and content of Safety Data Sheets for the same product may vary in different countries to comply with requirements of different regulations.

Updated the content of the sections

Version 1.5 revision date 17.04.2019

- In clause 11.6, data on acute toxicity are updated in accordance with the Chemical Safety Report for Magnesium Hydroxide and the Information Database of Registered Substances of the European Chemical Agency (ECHA).
- In clause 12.1, ecotoxicity data are updated in accordance with the Chemical Safety Report for Magnesium Hydroxide and the Information Database of Registered Substances of the European Chemical Agency (ECHA).
- Added item 15.3 National information on the regulatory status of the substance.

Version 1.6 revision date 15.09.2020

- In clause 1.1, the trademark sign has been changed, the trade names of the product have been added.
- In clause 3.1, the component composition of the product has been changed (the suspension of the product has been excluded).

Version 1.7 revision date 10.02.2022

- In clause 1.1 the list of trade names of products has been expanded.
- In clause 1.2, non-recommended methods of using the substance have been added.
- Information concerning endocrine disruptors has been added to clause 2.3.2.
- Information about modifying systems has been added to clause 3.1.
- Added clause 8.2.1 appropriate engineering controls.
- Clause 8.2.3 environmental exposure controls has been added.
- In clause 9.1, the information on basic physical and chemical properties is brought into line with Commission Regulation (EU) 2020/878 of June 18, 2020..
- Information about endocrine disruptors has been added to clause 11.2.
- Added clause 12.6 endocrine disruptive properties.
- In clause 14.7, the regulatory documents are updated, in accordance with which bulk transportation is carried out.
- In clause 15.1, the regulatory information for the substance has been updated.
- In section 16, the source of the main data is supplemented.

**Key or legend to abbreviations and acronyms used in the safety data sheet**

ACGIH	American conference of governmental industrial hygienists
ADN	European Agreement on the International Carriage of Dangerous Goods by Inland Waterways
ADR	Agreement on the International Carriage of Dangerous Goods by Road
CAS number	is a unique numerical identifier for chemical compounds, polymers , biological nucleotide or amino acid sequences, mixtures and alloys , listed in the Chemical Abstracts Service registry
CFR	Code of Federal Regulations
CLP	is a European Union regulation from 2008, which aligns the European Union system of classification, labelling and packaging of chemical substances and mixtures to the Globally Harmonised System (GHS)
DNEL	Derived no effect level
EC50	Median effectivel concentration
EGC	The Code for Existing Ships Carrying Liquefied Gases in Bulk
ED	Endocrine disruptor
EINECS, ELINCS	European Community Number (EC)
ERC	Environmental release category
ES	The exposure scenario
GC	The Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk
IBC	The International Code for the Construction and Equipment of Ships carrying dangerous Chemicals in Bulk
ICAO	Technical Instructions for The Safe Transport of Dangerous Goods by AIR
IGC	the International Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk
IMDG	International Maritime Dangerous Goods
IMO	The International Maritime Organization
IMSBC	The International Maritime Solid Bulk Cargoes Code
IUPAC	is a system for naming chemical compounds according to the International Union of Pure and Applied Chemistry
LC50	Median lethal concentration
LD50	Lethal dose
MARPOL	Consolidated edition, 2006
OEL	Occupational exposure limit
OSHA	The Occupational Safety and Health Administration of the United States Department of Labor
PC	Chemical product category
PBT	Persistent, bioaccumulative and toxic substances
PNEC	Predicted no effect concentration
PROC	Process category
RID	International Regulations Concerning the Carriage of Dangerous Goods by Rail
RTECS	Register of Toxic Effects of Chemical Compounds
SOLAS	The International Convention for the Safety of Life at Sea, 1974
STP	Sewage treatment plant
SU	Sector of Use
TLV	Upper limit of permissible exposure concentration of a hazardous substance in the workplace
TRGC	The Technical Rules for Hazardous Substances
vPvB	Very persistent and very bioaccumulative substances



Sources of Basic Information

1. Safety Data Sheet for Magnesium Hydroxide of KAUSTIK JSC (issued in 2022).
2. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council dated 16.12.2008
3. Commission Regulation (EU) No 830/2015 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
4. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
5. ACGIH (American Conference of Governmental Industrial Hygienists) (2006).
6. Annual reports of the Committees on TLVs and BEIs for year 2005. ACGIH publication #0106A. <http://www.acgih.org/store/ProductDetail.cfm?id=1832>
7. Chemical Safety Report: Magnesium Hydroxide.
8. European Chemicals Agency Registered Substance Information Database (ECHA). <https://echa.europa.eu/information-on-chemicals>.

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