

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

### MAGNESIUM OXIDE FEED

Version 2.0

Print Date 14.02.2024

Revision date / valid from 13.02.2024

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

#### 1.1. Product identifier

	Trade name Substance name CAS-No. EC-No. REACH Status	:	MAGNESIUM OXIDE FEED Magnesium oxide 1309-48-4 215-171-9 Substance is exempted from registration obligations according to Article 2 (7) (b) (Annex V) of the Regulation (EC) No 1907/2006	I
1.2.	Relevant identified uses	of th	e substance or mixture and uses advised against	
	Use of the Substance/Mixture	:	At this time we do not yet have information on identified uses. They will be included in this safety data sheet when available.	
	Uses advised against	:	At this moment we have not identified any uses advised against	
1.3.	Details of the supplier of	the s	safety data sheet	
	Company	:	Brenntag N.V. Nijverheidslaan 38 BE 8540 Deerlijk	
	Telephone	:	+32 (0)56 77 6944	
	Telefax	:	+32 (0)56 77 5711	
	E-mail address Responsible/issuing person	:	info@brenntag.be Master Data Administration	
	Company	:	Brenntag Nederland B.V. Donker Duyvisweg 44 NL 3316 BM Dordrecht	
	Telephone	:	+31 (0)78 65 44 944	
	Telefax	:	+31 (0)78 65 44 919	
	E-mail address	:	info@brenntag.nl	
	Responsible/issuing person	:	Master Data Administration	
1.4.	Emergency telephone nu	mbe	r	
	Emergency telephone number	:	Belgium: Antipoison Center - Brussels TEL: +32(0)70 245 245	
			Netherland: National Poisoning Information Center - Bilthoven TEL: +31(0) 88 755 8000 (Only for the purpose of informing	
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medical personnel in cases of acute intoxications)

#### **SECTION 2: Hazards identification**

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

#### Classification according to Regulation (EC) No 1272/2008

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008.

#### Most important adverse effects

Human Health	:	See section 11 for toxicological information.
Physical and chemical hazards	:	See section 9/10 for physicochemical information.
Potential environmental effects	:	See section 12 for environmental information.

#### 2.2. Label elements

#### Labelling according to Regulation (EC) No 1272/2008

The product is not labeled as dangerous according to Regulation (EC) No. 1272/2008.

#### Additional Labelling:

Handle in accordance with good industrial hygiene and safety practice.

#### 2.3. Other hazards

The PBT or vPvB criteria of Annex XIII to the REACH Regulation does not apply to inorganic substances.

Ecological information: No information available about endocrine disruption properties for environment.

Toxicological information: No information available about endocrine disruption properties for human health.

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

#### 3.1. Substances

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

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#### **BRENNTAG** MAGNESIUM OXIDE FEED Non-hazardous component **Chemical name Identification Number** Amount [%] Magnesium oxide CAS-No. 1309-48-4 <= 100 EC-No. 215-171-9 SECTION 4: First aid measures 4.1. Description of first aid measures General advice : Move out of dangerous area. If symptoms call a physician. If inhaled : Remove to fresh air. If symptoms persist, call a physician. In case of skin contact : Wash off with soap and water. If skin irritation persists, call a physician. : Rinse thoroughly with plenty of water, also under the eyelids. If In case of eye contact eye irritation persists, consult a specialist. If swallowed : Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If symptoms persist, call a physician. 4.2. Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects Symptoms and symptoms. Effects : Health injuries are not known or expected under normal use. Dust in the eyes may cause mechanical irritation. See Section 11 for more detailed information on health effects and symptoms. 4.3. Indication of any immediate medical attention and special treatment needed Treatment : Treat symptomatically. **SECTION 5: Firefighting measures** 5.1. Extinguishing media Suitable extinguishing The product itself does not burn. Use extinguishing measures 5 media that are appropriate to local circumstances and the surrounding environment. Unsuitable extinguishing High volume water jet : media

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

	Specific hazards during firefighting Hazardous combustion products	:	Reacts exothermically with water. In case of fire hazardous decomposition products may be produced such as: Burning produces noxious and toxic fumes.
5.3.	Advice for firefighters		
	Special protective equipment for firefighters Further advice	:	In the event of fire, wear self-contained breathing apparatus.Choose protective equipment according to size of fire. Collect contaminated fire extinguishing water separately. This
			must not be discharged into drains.

### SECTION 6: Accidental release measures

6.1.	Personal precautions, protective equipment and emergency procedures				
	Personal precautions	: Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin and eyes.			
6.2.	Environmental precaution	3			
	Environmental precautions	: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities. If material reaches soil inform authorities responsible for such cases.			
6.3.	Methods and materials for	containment and cleaning up			
	Methods and materials for containment and cleaning up	: Use mechanical handling equipment. Keep in suitable, closed containers for disposal.			
	Further information	: Treat recovered material as described in the section "Disposal considerations".			
6.4.	Reference to other section	S			
	See Section 1 for emergen See Section 8 for informati See Section 13 for waste to	on on personal protective equipment.			
SEC	TION 7: Handling and sto	rage			
7.1.	Precautions for safe hand	ing			
	Advice on safe handling	: Keep container tightly closed. Ensure adequate ventilation. Avoid dust formation. Avoid breathing fume. Handle in accordance with good industrial hygiene and safety practice.			
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	Othe	er Occupational Exposure Limit Values
I	Component:	Magnesium oxideCAS-No. 1309-48-4
_		Contains no substances with occupational exposure limit values.
8.1.	Control parameters	
SEC	CTION 8: Exposure contro	Is/personal protection
	Specific use(s)	: No information available.
7.3.	Specific end use(s)	
	Advice on common storage	: Keep away from food, drink and animal feedingstuffs. Do not store near acids.
	Further information on storage conditions	: Keep tightly closed in a dry and cool place.
	Advice on protection against fire and explosion	: The product is not flammable. Normal measures for preventive fire protection.
	Requirements for storage areas and containers	: Store in original container.
7.2.	Conditions for safe storag	e, including any incompatibilities
	Hygiene measures	<ul> <li>Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately.</li> </ul>

Belgium. OELs. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1, as amended, Time Weighted Average (TWA):, Fumes 10 mg/m3

#### 8.2. Exposure controls

#### Appropriate engineering controls

Refer to protective measures listed in sections 7 and 8.

#### Personal protective equipment

Respiratory protection

Advice : Required, if exposure limit is exceeded (e.g. OEL). Required if dust is released Respiratory protection complying with EN 141. Recommended Filter type: Particle filter:P2

Hand protection

Advice :	Wear suitable gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Protective gloves should be replaced at first signs of wear.	-
	Acrylonitrile-butadiene rubber (NBR) > 480 min >= 0,11 mm	
Eye protection		
Advice :	Safety goggles	
Skin and body protection		
Advice :	Protective work clothing	
Environmental exposure	controls	
General advice :	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities.	
	If material reaches soil inform authorities responsible for such cases.	
CTION 9: Physical and ch Information on basic physic Form	cases.	
nformation on basic physic	cases. emical properties cal and chemical properties	
nformation on basic physic Form	emical properties cal and chemical properties : powder	
nformation on basic physic Form Physical state	emical properties cal and chemical properties : powder : solid	
nformation on basic physic Form Physical state Colour	emical properties cal and chemical properties : powder : solid : white	
nformation on basic physic Form Physical state Colour Odour	emical properties cal and chemical properties : powder : solid : white : odourless	
nformation on basic physic Form Physical state Colour Odour Odour Threshold	cases. emical properties cal and chemical properties : powder : solid : white : odourless : Not applicable	
nformation on basic physic Form Physical state Colour Odour Odour Threshold Melting point/range	emical properties cal and chemical properties : powder : solid : white : odourless : Not applicable : ca. 2.800 °C	
nformation on basic physic Form Physical state Colour Odour Odour Threshold Melting point/range Boiling point/boiling range	cases. emical properties cal and chemical properties cal and chemical properties powder powder solid white odourless Not applicable ca. 2.800 °C does not ignite	

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Lower explosion limit / Lower flammability limit	:	Not applicable
Flash point	:	Not applicable
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Self-Accelerating decomposition temperature (SADT)	:	No data available
рН	:	10,3 (20 °C)
Viscosity Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable
Flow time	:	No data available
Solubility(ies) Water solubility	:	insoluble
Solubility in other solvents	:	No data available
Dissolution Rate	:	No data available
Partition coefficient: n- octanol/water	:	No data available
Dispersion Stability	:	No data available
Vapour pressure	:	Not applicable
Relative density	:	No data available
Density	:	3,58 g/cm3 (25 °C)
Bulk density	:	No data available
Relative vapour density	:	No data available
Particle characteristics No data available		
2 Other information		
Explosives	:	Product is not explosive.
Evaporation rate	:	Not applicable

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#### 10.1. Reactivity

Advice

#### 10.2. Chemical stability

Advice

#### 10.3. Possibility of hazardous reactions

Hazardous reactions	Reacts exothermically with water. May react with strong reducing agents under heat (powdered aluminium, potassium metal etc.).
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: No decomposition if stored and applied as directed.

: Stable under recommended storage conditions.

#### 10.4. Conditions to avoid

Conditions to avoid	: humid air and waterHeat
Thermal decomposition	: No data available

#### 10.5. Incompatible materials

N	Aaterials to avoid	: ammonia, Strong acids, Chlorine trifluoride, Phosphorus pentachloride	
		-	

#### 10.6. Hazardous decomposition products

Hazardous decomposition  $\,:\,$  Fire may cause evolution of: toxic metal oxide fume products

### **SECTION 11: Toxicological information**

#### 11.1. Information on the hazard classes within the meaning of Regulation (EC) No. 1272/2008

Component:	Magnesium	oxide	CAS-No. 1309-48-4
	Acut	e toxicity	
		Oral	
LDLo	: 5000 mg/kg (Mc	ouse)	
LDLo	: 3000 mg/kg (Ra	bbit)	
	Inf	nalation	
		st or fume may cau , skin, nose and ey	use temporary irritation of upper /es.
	D	ermal	
	No data availab	le	
	Irr	ritation	
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	Skin	
Result	: Contact with dust can cause mechanical irritation or drying of the skin.	-
	Eyes	-
Result	: Dust in the eyes may cause mechanical irritation.	
	Sensitisation	
Result	: No data available	
	CMR effects	
	CMR Properties	_
Carcinogenicity Mutagenicity Teratogenicity Reproductive toxicity	<ul> <li>Not classified</li> <li>It is not considered mutagenic.</li> <li>No data available</li> <li>No data available</li> </ul>	
	Specific Target Organ Toxicity	ľ
	Single exposure	-
Remarks	: No data available	
	Repeated exposure	-
Remarks	: No data available	-
	Other toxic properties	
	Aspiration hazard	-
	No data available,	
.2. Information on other h	azards	
Data for the product		
	Endocrine disrupting properties	
Assessment	: No information available about endocrine disruption properties for human health.	-

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AG	IAGNESIUM OXIDE FEED							
ECTIO	ON 12: Ecologica	l info	ormation					
2.1. T	oxicity							
Со	mponent:		Magnesium oxide CAS-No. 1309-48-4	1				
			Acute toxicity					
			Fish					
			No data available					
		•						
	т.		w to danhnia and other aquatic invertebrates					
	10		y to daphnia and other aquatic invertebrates	_				
		:	No data available					
			algae					
			algae No data available	_				
		:						
 2.2. P	ersistence and de	: grada	No data available					
	ersistence and de	: yrada	No data available	1				
		: grada	No data available ability	1				
		: grada	No data available ability Magnesium oxide CAS-No. 1309-48-4	4				
Сог	mponent:		No data available ability Magnesium oxide CAS-No. 1309-48-4 Persistence and degradability Persistence	4				
Сог		: grada :	No data available ability <u>Magnesium oxide</u> Persistence and degradability	4				
Сог	mponent:		No data available ability Magnesium oxide CAS-No. 1309-48-4 Persistence and degradability Persistence	1				
F	mponent:		No data available ability Magnesium oxide CAS-No. 1309-48-4 Persistence and degradability Persistence No data available	4				
F	mponent: Result	- 	No data available ability Magnesium oxide CAS-No. 1309-48-4 Persistence and degradability Persistence No data available Biodegradability	4				
F	mponent: Result	:	No data available ability          Magnesium oxide       CAS-No. 1309-48-4         Persistence and degradability       Persistence         Persistence       No data available         Biodegradability       Biodegradability         The methods for determining the biological degradability are not applicable to inorganic substances.	4				
F 2.3. B	mponent: Result Result	:	No data available ability Magnesium oxide CAS-No. 1309-48-4 Persistence and degradability Persistence No data available Biodegradability The methods for determining the biological degradability are not applicable to inorganic substances.					
F 2.3. B	mponent: Result Result	:	No data available ability Magnesium oxide CAS-No. 1309-48-4 Persistence and degradability Persistence No data available Biodegradability The methods for determining the biological degradability are not applicable to inorganic substances. al Magnesium oxide CAS-No. 1309-48-4					
F 2.3. B	mponent: Result Result	:	No data available ability Magnesium oxide CAS-No. 1309-48-4 Persistence and degradability Persistence No data available Biodegradability The methods for determining the biological degradability are not applicable to inorganic substances.					
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Con F 2.3. B	mponent: Result Result ioaccumulative po mponent:	:	No data available ability Magnesium oxide CAS-No. 1309-48-4 Persistence and degradability Persistence No data available Biodegradability The methods for determining the biological degradability are not applicable to inorganic substances. al Magnesium oxide CAS-No. 1309-48-4 Bioaccumulation					
Con F 2.3. B Con F	mponent: Result Result Vioaccumulative po mponent: Result	:	No data available ability Magnesium oxide CAS-No. 1309-48-4 Persistence and degradability Persistence No data available Biodegradability The methods for determining the biological degradability are not applicable to inorganic substances. al Magnesium oxide CAS-No. 1309-48-4 Bioaccumulation					
Con F 2.3. B Con F 2.4. M	mponent: Result Result Vioaccumulative po mponent: Result	: tentia	No data available ability Magnesium oxide CAS-No. 1309-48-4 Persistence and degradability Persistence No data available Biodegradability The methods for determining the biological degradability are not applicable to inorganic substances. al Magnesium oxide CAS-No. 1309-48-4 Bioaccumulation					

### MAGNESIUM OXIDE FEED Magnesium oxide CAS-No. 1309-48-4 Component: Mobility No data available 12.5. Results of PBT and vPvB assessment Data for the product Results of PBT and vPvB assessment Result : The PBT or vPvB criteria of Annex XIII to the REACH Regulation does not apply to inorganic substances. Component: **Magnesium oxide** CAS-No. 1309-48-4 Results of PBT and vPvB assessment Result The PBT or vPvB criteria of Annex XIII to the REACH Regulation does not apply to inorganic substances. 12.6. Endocrine disrupting properties Data for the product Endocrine disrupting No information available about endocrine disruption properties for : potential environment. 12.7. Other adverse effects Data for the product Additional ecological information Result : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. **SECTION 13: Disposal considerations** 13.1. Waste treatment methods Disposal together with normal waste is not allowed. Special Product 5 disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services. This product shall be disposed of or recovered in compliance with Directive 2008/98/EC on waste as lastly amended. Empty contaminated packagings thoroughly. They can be Contaminated packaging 1 recycled after thorough and proper cleaning. If recycling is not practicable, dispose of in compliance with local regulations. 80000000327 / Version 2.0 11/15 ΕN

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European Waste Catalogue Number	:	No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates
Catalogue Multibel		the assignment. The waste code is established in consultation
		with the regional waste disposer.

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#### **SECTION 14: Transport information**

Not dangerous goods for ADR, RID, IMDG and IATA.

#### 14.1. UN number or ID number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

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

Not applicable.

#### 14.4. Packaging group

Not applicable.

#### 14.5. Environmental hazards

Not applicable.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

#### **SECTION 15: Regulatory information**

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

Component:	Magnesium oxide	CAS-No. 1309-48-4
EU. Chemicals Subject to PIC Procedure: Regulation 649/2012/EU on export and import of dangerous chemicals, as amended	: ; Not listed	
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#### BRENNTAG **MAGNESIUM OXIDE FEED** EU. REACH, Annex XVII, : ; Not listed Marketing and Use **Restrictions** (Regulation 1907/2006/EC) EU. Directive 2 ; The substance/mixture does not fall under this legislation. 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I **Notification status** Magnesium oxide: Regulatory List Notification Notification number EINECS YES 215-171-9 DSL YES KECI (KR) YES KE-22728 ENCS (JP) YES (1)-465 ISHL (JP) YES (1)-465 NZIOC YES INSQ YES ONT INV YES YES IECSC TCSI YES PICCS (PH) YES TSCA YES PHARM (JP) YES VN INVL YES TH INV YES 2519.90 TH INV 55-1-01345 YES TH INV YES 3824.90 AU AIICL YES 15.2. Chemical safety assessment A Chemical Safety Assessment according to Regulation No. 1907/2006 (Reach) is not required for this substance. **SECTION 16: Other information** Abbreviations and Acronyms **AU AIICL** Australia. Industrial Chemicals Act (AIIC) List 80000000327 / Version 2.0 13/15 ΕN



BCF	bioconcentration factor
BOD	biochemical oxygen demand
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	carcinogenic, mutagenic or toxic to reproduction
COD	chemical oxygen demand
DNEL	derived no-effect level
DSL	Canada. Environmental Protection Act, Domestic Substances List
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
ENCS (JP)	Japan. Kashin-Hou Law List
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IECSC	China. Inventory of Existing Chemical Substances
INSQ	Mexico. National Inventory of Chemical Substances
ISHL (JP)	Japan. Inventory of Industrial Safety & Health
KECI (KR)	Korea. Existing Chemicals Inventory
LC50	median lethal concentration
LOAEC	lowest observed adverse effect concentration
LOAEL	lowest observed adverse effect level
LOEL	lowest observed effect level
NDSL	Canada. Environmental Protection Act. Non-Domestic Substances List
NLP	no-longer polymer
NOAEC	no observed adverse effect concentration
NOAEL	no observed adverse effect level
NOEC	no observed effect concentration
NOEL	no observed effect level
NZIOC	New Zealand. Inventory of Chemicals
OECD	Organisation for Economic Cooperation and Development
OEL	occupational exposure limit
ONT INV	Canada. Ontario Inventory List
PBT	persistent, bioaccumulative and toxic
PHARM (JP)	Japan. Pharmacopoeia Listing
PICCS (PH)	Philippines. Inventory of Chemicals and Chemical Substances
PNEC	predicted no-effect concentration
<b>REACH Auth. No.:</b>	REACH Authorisation Number
REACH AuthAppC. No.	REACH Authorisation Application Consultation Number
UK REACH Auth. No.:	UK REACH Authorisation Number
UK REACH AuthAppC. No.	UK REACH Authorisation Application Consultation Number
UK REACH-Reg.No	UK REACH Registration Number
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STOT		specific target organ toxicity		
SVHC		substance of very high concern		
TCSI		Taiwan. Existing Chemicals Inventory		
TH INV		Thailand. Existing Chemicals Inventory from FDA		
TSCA		US. Toxic Substances Control Act		
UVCB		substance of unknown or variable composition, complex reaction products or biological materials		
VN INVL		Vietnam. National Chemical Inventory		
vPvB		very persistent and very bioaccumulative		
Further information				
Key literature references and sources for data	:	Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.		
product classification	:	The classification for human health, physical and chemical hazards and environmental hazards were derived from a combination of calculation methods and if available test data.		
Hints for trainings	:	The workers have to be trained regularly on the safe handling of the products based on the information provided in the Safety Data Sheet and the local conditions of the workplace. National regulations for the training of workers in the handling of hazardous materials must be adhered to.		
Other information	:	The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet		
		relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.		
Indicates updated section.				