

# MAGNESIUM HYDROXIDE EXTRA PURE

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□□ (EU) 2020/878 □□ □□□ REACH □□ (EC) 1907/2006 □□ □□

SDS Reference Number: 4469H

□□ □□□□: 4/9/2014 □□ □□□□: 8/10/2026 □□ □□: 4/9/2015 □□: 1.0

## □□ 1: □□□□□ □□□ □□ □□

### 1.1. □□□□

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: MAGNESIUM HYDROXIDE EXTRA PURE

EC □□

: 215-170-3

CAS □□

: 1309-42-8

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: 4469H

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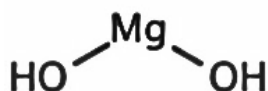
: Inorganic compound

□□□

: Mg(OH)<sub>2</sub>

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:



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: Milk of magnesia, Magnesium dihydroxide

### 1.2. □□□□ □□ □□□□ □□ □□ □□ □□

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: Industrial

□□/□□□ □□ □□

For professional use only

□□□□/□□□□ □□

: Laboratory chemicals

□□□ □□

### 1.3. □□□□□□□□ □□□ □□

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### 1.4. □□□□□□

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: + 91 22 6663 6663 (9:00am - 6:00 pm)

## □□ 2: □□□·□□□

### 2.1. □□□·□□□□ □□

Regulation (EC) No.1272/2008 [CLP] □□ □□ □□

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### 2.2. □□□□□□□□ □□□ □□□□ □□

□□ (EC) No. 1272/2008 □□ □□ □□ [CLP]

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### 2.3. □□ □□

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| □□                  | □□□□                                  | %   |
|---------------------|---------------------------------------|-----|
| MAGNESIUM HYDROXIDE | CAS □□: 1309-42-8<br>EC □□: 215-170-3 | 100 |

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|-----------------------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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| □□□□ □                                  | : | <b>Rinse mouth out with water. If you feel unwell, seek medical advice.</b> □□□□ □□□ □□□□□(□□)□ □□□ □□□□.                                                              |
| <b>Self protection of the first-aid</b> | : | □□□□□□□ □□□ □□□ □□□□, □□□□ □□□□□□□ □□□□□□□□(□□ 8 □□).                                                                                                                  |

|               |                                        |
|---------------|----------------------------------------|
| □□ □ □□/□□    | : □□□ □□□ □□□ □ □□.                    |
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| □ □□ □ □□/□□  | : □□ □□ □□□ □□□. Eye irritation.       |
| □□ □ □□/□□    | : <b>None</b> under normal conditions. |

Treat symptomatically.

|          |   |                                                                                                                   |
|----------|---|-------------------------------------------------------------------------------------------------------------------|
| □□□ □□□  | : | dry chemical powder, alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ). Water spray. Dry powder.<br>Foam. |
| □□□□ □□□ | : | Do not use a heavy water stream.                                                                                  |

|                 |                                |
|-----------------|--------------------------------|
| □□ □□           | : No fire hazard.              |
| □□ □□           | : No direct explosion hazard.  |
| □□ □ □□□ □□□ □□ | : Toxic fumes may be released. |

|            |                                                                                                                                                       |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| □□ □□      | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| □□ □□ □ □□ | : Do not attempt to take action without suitable protective equipment. □□□ □□□□□. Complete protective clothing.                                       |

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## □□ 6: □□□□□ □□□□

### 6.1. □□□ □□□□ □□ □□□ □□□□ □□□□

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- □□ □□ : Wear recommended personal protective equipment.
- □□ : Ventilate spillage area. Evacuate unnecessary personnel. □□/□/□□/□□□/□□□□ □ □□□ □□ □□. □□ □ □□□ □□□ □□□□.
- □□ □□ : Do not attempt to take action without suitable protective equipment. □□□ □□ □□□□ □□□□□. □ □□□ □□□ □□ 8: "□□□□ □ □□□□"□ □□□□□.
- □□ : Stop release. Evacuate unnecessary personnel.

### 6.2. □□□ □□□□ □□ □□□ □□□□

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### 6.3. □□ □□ □□ □□

- : Using a clean shovel, put the material in a dry container and cover without compressing it.
- □□ : Mechanically recover the product. Clear up rapidly by scoop or vacuum.
- □□ □□□□ : Dispose of materials or solid residues at an authorized site.

### 6.4. □□ □□ □□

For further information refer to section 13.

## □□ 7: □□ □ □□□□

### 7.1. □□□□□□

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- □□ : □□ □□□ □□ □□ □(□) □□□ □□□□. □□ □□ □ □□□ □□□ □□□□□. □ □□□ □□□ □□□ □□, □□□□ □□□□ □□□. Always wash hands after handling the product.

### 7.2. □□□□ □□□ □□□ □□□ □□ □□

- □□ : Keep in a cool, well-ventilated place away from heat.
- □□ : □□□ □□□ □□□□□. Store in original container. □□□ □□□ □□□□□. □□□□□ □□ □□□□□. □□□ □ □□ □□ □□□□□.
- : Always store product in container of same material as original container.

### 7.3. □□ □□ □□

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## □□ 8: □□□□ □ □□□□□

### 8.1. □□ □□ □□

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### 8.2. □□□□

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- □□□ □□: Ensure good ventilation of the work station.

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:
Wear recommended personal protective equipment.
:



:
Chemical goggles or safety glasses

Skin protection

:
Wear a mask

:
Protective gloves

:
Wear appropriate mask

:
.

9:

9.1.

|                                                 |                                                 |
|-------------------------------------------------|-------------------------------------------------|
| Appearance                                      | : White.                                        |
| Form                                            | : Powder.                                       |
| Molar mass                                      | : 58.53 g/mol                                   |
| Odour                                           | : Odourless.                                    |
| Decomposition temperature                       | : 350 °C (decomposes)                           |
| Boiling point                                   | : 350 °C                                        |
| Melting point                                   | : 9.5 – 10.5                                    |
| Water solubility                                | : 0.00064 g/100ml at 25 °C - Insoluble in water |
| Ethanol solubility                              | : Insoluble in Ethanol                          |
| Partition coefficient n-octanol/water (Log Kow) | : 2.36 g/cm³ at 25 °C                           |
| 50°C density                                    | : 2.36 g/cm³ at 25 °C                           |
| 20°C density                                    | : 2.36 g/cm³ at 25 °C                           |
| Particle size                                   | : 2.36 g/cm³ at 25 °C                           |

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9.2.

10:

10.1.

The product is non-reactive under normal conditions of use, storage and transport.

10.2.

Stable under normal conditions.

10.3.

No dangerous reactions known under normal conditions of use.

10.4.

. Air contact. Moisture.

10.5.

10.6.

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11:

11.1. (EC) No 1272/2008, ,

|      |                |
|------|----------------|
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| ( )  | :              |
| ( )  | :              |
|      | :              |
|      | pH: 9.5 – 10.5 |
|      | :              |
|      | pH: 9.5 – 10.5 |
|      | :              |
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|      | :              |

| MAGNESIUM HYDROXIDE EXTRA PURE (1309-42-8) |  |
|--------------------------------------------|--|
| ( )                                        |  |

11.2.

12:

12.1.

|   |                                                                                                                         |
|---|-------------------------------------------------------------------------------------------------------------------------|
| - | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
|   | :                                                                                                                       |

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12.2. □□□ □□□□

| MAGNESIUM HYDROXIDE EXTRA PURE (1309-42-8) |          |
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12.3. □□ □□□

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12.4. □□ □□□

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12.5. PBT □ vPvB □□ □□

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12.6. □□□ □□ □□

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12.7. □□ □□ □□

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□□ 13: □□□ □□□□

13.1. □□□ □□□

|                              |                                                                                                                                                                                                                                         |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| □□ □□(□□□)                   | : Disposal must be done according to official regulations.                                                                                                                                                                              |
| □□□ □□□                      | : Dispose of contents/container in accordance with licensed collector’s sorting instructions.                                                                                                                                           |
| □□ □□ □□ □□                  | : Disposal must be done according to official regulations.                                                                                                                                                                              |
| □□/□□ □□ □□□□                | : Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations.                                                                                                                 |
| □□ □□                        | : Do not re-use empty containers.                                                                                                                                                                                                       |
| Ecological waste information | : The waste of the product should be considered as hazardous as the product itself, with the likelihood of impacting the environment in the same way. Consider the handling and disposal of the waste as defined by the product itself. |

□□ 14: □□□ □□□ □□

ADR / IMDG / IATA / ADN / RID □□ □□

14.1. UN □□ □□ ID □□

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14.2. UN □□ □□□

|               |                 |
|---------------|-----------------|
| □□ □□□ (ADR)  | : Not regulated |
| □□ □□□ (IMDG) | : Not regulated |
| □□ □□□ (IATA) | : Not regulated |
| □□ □□□ (ADN)  | : Not regulated |
| □□ □□□ (RID)  | : Not regulated |

14.3. □□□□□ □□□ □□

|                    |                 |
|--------------------|-----------------|
| ADR                |                 |
| □□□□□ □□□ □□ (ADR) | : Not regulated |

|                     |                 |
|---------------------|-----------------|
| IMDG                |                 |
| □□□□□ □□□ □□ (IMDG) | : Not regulated |

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IATA

□□□□□ □□□ □□ (IATA) : Not regulated

ADN

□□□□□ □□□ □□ (ADN) : Not regulated

RID

□□□□□ □□□ □□ (RID) : Not regulated

14.4. □□□□

□□ □□ (ADR) : Not regulated  
□□ □□(IMDG) : Not regulated  
□□ □□ (IATA) : Not regulated  
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□□ □□(RID) : Not regulated

14.5. □□ □□□

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14.6. □□□□ □□ □□ □□□□

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14.7. □□□□□□(IMO)□ □□ □□ □□ □□

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□□ 15: □□ □□□□

15.1. □□, □□ □ □□□ □□□□ □□ □□□□ □□ □□ □□/□□

EU □□

REACH □□□ XVII (□□ □□)

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REACH □□□ XIV (□□ □□)

REACH □□□ XIV (□□ □□)□ □□□□ □□

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PIC □□□ □□□□ □□ (□□ EU 649/2012)

POP □□ (□□□□ □□ □□□□)

POP □□□ □□□□ □□ (□□ EU 2019/1021)

Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

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□□□□ □□(428/2009)

Not listed on the COUNCIL REGULATION (EC) of dual-use items.

□□ □□□□ □□ (2019/1148)

Not listed on the Explosives Precursors list (EU)

□□ □□□□ □□ (273/2004)

Not listed on the Drug Precursors list (EU)

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□□

WGK : WGK nwg, □□ □□ □□ □□ (□□ □□ □□ □□ □□ □□ (AwSV) □□ □□ □□ □□; ID □□ 5209).

□□□□

SZW-lijst van kankerverwekkende stoffen : □□□ □□□□ □□□□□.  
SZW-lijst van mutagene stoffen : □□□ □□□□ □□□□□.  
SZW-lijst van reprotoxische stoffen – Borstvoeding : □□□ □□□□ □□□□□.  
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : □□□ □□□□ □□□□□.  
SZW-lijst van reprotoxische stoffen – Ontwikkeling : □□□ □□□□ □□□□□.

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□□□ □□ □□ : Act of 25 February 2011 on chemical substances and their mixtures (J. o L. No. 63, item 322 as amended; consolidated text J. o L. 2019, item 1225).  
Act of 14 December 2012 on waste (J. o L. 2013, item 322 as amended; consolidated text J. o L. 2020, item 797).  
The announcement of Marshal of the Sejm of the Republic of Poland dated 19 October 2016 concerning the consolidated text announcement of the decree on the management of packaging and packaging waste (J. o L. 2016, item 1863 as amended).  
Decree of the Minister of Environment of 14 December 2014 on the catalogue of waste (J. o L. 2014, item 1923).  
Act of 19 August 2011 on the Carriage of Dangerous Goods (J. o L. 2011 No. 227, item 1367 as amended; consolidated text J. o L. 2020, item 154).  
Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the highest permissible concentration and intensity of noxious agents for health at work environment (J. o L. item 1286 as amended).  
The announcement of Minister of Health dated 9 September 2016 concerning the consolidated text announcement of the decree of the Minister of Health of 30 December 2004 on health and safety at work related to exposure to chemical agents at work (J. o L. of 16 September 2016, item 1488)  
Regulation of the Minister of Health of 2 February 2011 on tests and measurements of the noxious agents for health at work environment (J. o L. No. 33, item 166 as amended).  
Regulation of the Minister of Environment of 9 December 2003 on particularly hazardous substances to the environment (J. o L. No. 217, item 2141).  
ADR Agreement: Government Statement of 13 March 2023 on the entry into force of amendments to Annexes A and B to the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), signed in Geneva on 30 September 1957 (J. o. L. 2023, item 891)  
Regulation of the Minister of Health of 25 August 2015 on the method of marking places, pipelines, and containers and tanks used for storing or containing hazardous substances or hazardous mixtures (J.o.L. 2015, item 1368 as amended)

15.2. □□ □□ □□□ □□

No chemical safety assessment has been carried out

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|       |                                                                                                 |
|-------|-------------------------------------------------------------------------------------------------|
| ACGIH | American Conference of Governmental Industrial Hygienists                                       |
| ADN   | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR   | European Agreement concerning the International Carriage of Dangerous Goods by Road             |

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|-----------|------------------------------------------------------------------------------|
| ATE       | Acute Toxicity Estimate                                                      |
| BCF       | Bioconcentration factor                                                      |
| BLV       | □□ □□ □                                                                      |
| BOD       | Biochemical oxygen demand (BOD)                                              |
| CAS □□    | □□□□ □□ □□ □□(CAS)                                                           |
| CLP       | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  |
| COD       | □□□ □□ □□□                                                                   |
| CSA       | □□ □□ □□□ □□                                                                 |
| DMEL      | Derived Minimal Effect level                                                 |
| DNEL      | □□ □□□ □□                                                                    |
| EC □□     | □□ □□□ □□                                                                    |
| EC50      | Median effective concentration                                               |
| ED        | □□□ □□□□                                                                     |
| EN        | □□ □□                                                                        |
| EWC       | European waste catalogue                                                     |
| IARC      | International Agency for Research on Cancer                                  |
| IATA      | International Air Transport Association                                      |
| IMDG      | International Maritime Dangerous Goods                                       |
| LC50      | Median lethal concentration                                                  |
| LD50      | Median lethal dose                                                           |
| LOAEL     | Lowest Observed Adverse Effect Level                                         |
| Log Kow   | Partition coefficient n-octanol/water (Log Kow)                              |
| Log Pow   | Partition coefficient n-octanol/water (Log Pow)                              |
| MAK       | maximum workplace concentration                                              |
| NOAEC     | No-Observed Adverse Effect Concentration                                     |
| NOAEL     | No-Observed Adverse Effect Level                                             |
| NOEC      | No-Observed Effect Concentration                                             |
| N.O.S.    | Not Otherwise Specified                                                      |
| OECD      | Organisation for Economic Co-operation and Development                       |
| OEL       | □□□ □□ □□                                                                    |
| OSHA      | Occupational Safety & Health Administration                                  |
| PBT       | Persistent Bioaccumulative Toxic                                             |
| PNEC      | □□ □□□ □□                                                                    |
| PPE       | □□ □□□                                                                       |
| RID       | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS       | □□□□□□□□                                                                     |
| STP       | Sewage treatment plant                                                       |
| TF        | □□□ □□                                                                       |
| ThOD      | Theoretical oxygen demand (ThOD)                                             |

MAGNESIUM HYDROXIDE EXTRA PURE

□□□□□□□□

□□ (EU) 2020/878□ □□ □□□ REACH □□ (EC) 1907/2006□ □□

|             |                                          |
|-------------|------------------------------------------|
| □□ □ □□□□□: |                                          |
| TLM         | Median Tolerance Limit                   |
| TWA         | Time Weighted Average                    |
| COV         | Volatile Organic Compounds               |
| vPvB        | Very Persistent and Very Bioaccumulative |
| UFI         | □□ □□ □□□                                |

□□□□□□□□(SDS), EU

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