

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

| | |
|---------------|----------------------------------------------|
| Product form | : Substance |
| Trade name | : NU1869 Magnesium (metal) ribbon Extra Pure |
| Chemical name | : magnesium powder (pyrophoric) |
| IUPAC name | : magnesium |
| EC Index-No. | : 012-001-00-3 |
| EC-No. | : 231-104-6 |
| CAS-No. | : 7439-95-4 |
| Product code | : MGPW-R0T |
| Formula | : Mg |

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

Main use category : Laboratory use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

labbox labware s.l.
Migjorn, 1
P.O. Box Barcelona (SPAIN)
08338 Premia de Dalt – SPAIN
ES
T +34 937 07 79 70 - F +34 937 909 532
info@labbox.com - www.labbox.com

1.4. Emergency telephone number

Emergency number : +34 937 077 970 (For technical information_Office Hours) In case of medical emergency phone 112 or to your local emergency number.

| Country | Organisation/Company | Address | Emergency number | Comment |
|----------------|-------------------------------------------------------------------------------------|----------------------------|------------------|---------|
| United Kingdom | National Poisons Information Service (Belfast Centre) Royal Victoria Hospital | Grosvenor Road BT12 6BA | 0344 892 0111 | |

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Pyrophoric Solids, Category 1 H250
Substances and Mixtures which, in contact with water, emit flammable gases, Category 1 H260

Full text of H and EUH statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H250 - Catches fire spontaneously if exposed to air.
H260 - In contact with water releases flammable gases which may ignite spontaneously.
P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P222 - Do not allow contact with air.
P223 - Keep away from any possible contact with water, because of violent reaction and possible flash fire.
P231+P232 - Handle under inert gas. Protect from moisture.

Precautionary statements (CLP) :

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : Mono-constituent

| Name | Product identifier | % |
|-------------------|-----------------------------------------------------------------------|-------|
| Magnesium (metal) | CAS-No.: 7439-95-4 EC-No.: 231-104-6 EC Index-No.: 012-001-00-3 | ≥ 100 |

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Get medical advice/attention if you feel unwell.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse. Get medical advice/attention.
First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Get medical advice/attention.
First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

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

Never give anything by mouth to an unconscious person.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry powder.
Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable solid.
Hazardous decomposition products in case of fire : fume.

5.3. Advice for firefighters

Precautionary measures fire : Evacuate area.
Firefighting instructions : Exercise caution when fighting any chemical fire.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Do not allow contact with air. Catches fire spontaneously if exposed to air.

6.1.1. For non-emergency personnel

Emergency procedures : Avoid contact with skin, eyes and clothing. Ventilate spillage area.

6.1.2. For emergency responders

Emergency procedures : Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Mechanically recover the product. On land, sweep or shovel into suitable containers. This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

See Heading 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : In use, may form flammable vapour-air mixture.
Precautions for safe handling : Ensure good ventilation of the work station. Eliminate all ignition sources if safe to do so. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Use personal protective equipment as required.
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in a well-ventilated place. Keep container tightly closed.
Incompatible products : Strong acids. Oxidizing agent.
Incompatible materials : Heat sources. Sources of ignition. Direct sunlight.
Special rules on packaging : Store in a closed container. Keep only in original container.

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7.3. Specific end use(s)

Laboratory chemicals.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

| NU1869 Magnesium (metal) ribbon Extra Pure (7439-95-4) | |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| Local name | Methanol |
| IOEL TWA | 260 mg/m ³ |
| IOEL TWA [ppm] | 200 ppm |
| Remark | skin |
| France - Occupational Exposure Limits | |
| Local name | Alcool méthylique (méthanol) |
| VME (OEL TWA) | 260 mg/m ³ |
| VME (OEL TWA) [ppm] | 200 ppm |
| VLE (OEL Ceiling/STEL) | 1300 mg/m ³ |
| VLE (OEL Ceiling/STEL) [ppm] | 1000 ppm |
| Remark | VME réglementaires contraignantes; la VLE n'est pas réglementaire et provient d'une circulaire du ministère chargé du travail; risque de pénétration percutanée |
| Germany - Occupational Exposure Limits (TRGS 900) | |
| Local name | Methanol |
| AGW (OEL TWA) [1] | 270 mg/m ³ |
| AGW (OEL TWA) [2] | 200 ppm |
| Remark | DFG,EU,H,Y |
| Italy - Occupational Exposure Limits | |
| Local name | Metanolo |
| OEL TWA | 260 mg/m ³ |
| OEL TWA [ppm] | 200 ppm |
| Portugal - Occupational Exposure Limits | |
| Local name | Metanol (Álcool metílico) |
| OEL TWA [ppm] | 200 ppm |
| OEL STEL [ppm] | 250 ppm |
| Spain - Occupational Exposure Limits | |
| Local name | Metanol (Alcohol metílico) |
| VLA-ED (OEL TWA) [1] | 266 mg/m ³ |
| VLA-ED (OEL TWA) [2] | 200 ppm |

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|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remark | Vía dérmica (Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea puede resultar significativa para el contenido corporal total si no se adoptan medidas para prevenir la absorción. En estas situaciones, es aconsejable la utilización del control biológico para poder cuantificar la cantidad global absorbida del contaminante. Para más información véase el Apartado 5 de este documento), VLB® (Agente químico que tiene Valor Límite Biológico específico en este documento), VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo. Todos estos agentes químicos figuran al menos en una de las directivas de valores límite indicativos publicadas hasta ahora (ver Anexo C. Bibliografía). Los estados miembros disponen de un tiempo fijado en dichas directivas para su transposición a los valores límites de cada país miembro. Una vez adoptados, estos valores tienen la misma validez que el resto de los valores adoptados por el país). |
| United Kingdom - Occupational Exposure Limits | |
| Local name | Methanol |
| WEL TWA [1] | 266 mg/m ³ |
| WEL TWA [2] | 200 ppm |
| WEL STEL | 333 mg/m ³ |
| WEL STEL (ppm) | 250 ppm |
| Remark | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

| NU1869 Magnesium (metal) ribbon Extra Pure (7439-95-4) | |
|--------------------------------------------------------|--------------------------|
| DNEL/DMEL (Workers) | |
| Acute - systemic effects, dermal | 80 mg/kg bodyweight/day |
| Acute - systemic effects, inhalation | 10 mg/m ³ |
| Acute - local effects, dermal | 2,5 mg/cm ² |
| Acute - local effects, inhalation | 10 mg/m ³ |
| Long-term - systemic effects, dermal | 5 mg/kg bodyweight/day |
| Long-term - local effects, dermal | 2,5 mg/cm ² |
| Long-term - systemic effects, inhalation | 10 mg/m ³ |
| Long-term - local effects, inhalation | 10 mg/m ³ |
| DNEL/DMEL (General population) | |
| Acute - systemic effects, dermal | 40 mg/kg bodyweight/day |
| Acute - systemic effects, inhalation | 5 mg/m ³ |
| Acute - systemic effects, oral | 100 mg/kg bodyweight/day |
| Acute - local effects, dermal | 1,25 mg/cm ² |
| Acute - local effects, inhalation | 5 mg/m ³ |
| Long-term - systemic effects, oral | 100 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 5 mg/m ³ |

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|--------------------------------------------------------|--------------------------|
| Long-term - systemic effects, dermal | 2,5 mg/kg bodyweight/day |
| Long-term - local effects, dermal | 1,25 mg/cm ² |
| Long-term - local effects, inhalation | 5 mg/m ³ |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 2 mg/l |
| PNEC aqua (marine water) | 26,5 mg/l |
| PNEC aqua (intermittent, freshwater) | 2 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 87,8 mg/kg dwt |
| PNEC sediment (marine water) | 8,78 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 28,7 mg/kg dwt |
| PNEC (Oral) | |
| PNEC oral (secondary poisoning) | 212 mg/kg food |
| PNEC (STP) | |
| PNEC sewage treatment plant | 10,8 mg/l |

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure. EN 374.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

| Eye protection | | | |
|----------------|----------------------|-----------------|----------|
| Type | Field of application | Characteristics | Standard |
| Category II | | | EN 166 |

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

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| Skin and body protection | |
|--------------------------|--------------------------------------------|
| Type | Standard |
| Protective clothing | EN 1149-1, EN 1149-2, EN 1149-3, EN 1149-5 |

Hand protection:

Nitrile rubber (NBR) /

| Hand protection | | | | | |
|-----------------|----------|------------|----------------|-------------|----------|
| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
| Category I | | | | | |

| Other skin protection Materials for protective clothing | | |
|------------------------------------------------------------|----------|-------------------------------|
| Condition | Material | Standard |
| | | EN ISO 13287, EN ISO 20345 |

8.2.2.3. Respiratory protection

Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Other information:

The present safety data sheet is consistent with the specific conditions relied on to justify the registration of the substance as isolated intermediate.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-------------------------------------------------|--------------------------|
| Physical state | : Solid |
| Colour | : Grey. |
| Odour | : odourless. |
| Odour threshold | : Not available |
| Melting point | : 650 °C |
| Freezing point | : Not available |
| Boiling point | : Not available |
| Flammability | : Not available |
| Explosive limits | : Not applicable |
| Lower explosion limit | : Not applicable |
| Upper explosion limit | : Not applicable |
| Flash point | : Not applicable |
| Auto-ignition temperature | : Not applicable |
| Decomposition temperature | : Not available |
| pH | : Not available |
| pH solution | : Not available |
| Viscosity, kinematic | : Not applicable |
| Solubility | : Not available |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50 °C | : Not available |
| Density | : 1760 kg/m ³ |

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Relative density : 1,76
Relative vapour density at 20 °C : Not applicable
Particle size : Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content : 0 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable in use and storage conditions as recommended in item 7.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat. Sparks. Direct sunlight. Overheating.

10.5. Incompatible materials

Strong acids. Oxidizing agent.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| NU1869 Magnesium (metal) ribbon Extra Pure (7439-95-4) | |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method) |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LC50 inhalation rat (mg/l) | > 2,1 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity) |

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

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Aspiration hazard : Not classified

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

| NU1869 Magnesium (metal) ribbon Extra Pure (7439-95-4) | |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1] | 569 mg/l Test organisms (species): Pimephales promelas |
| LC50 - Fish [2] | 541 mg/l Test organisms (species): Pimephales promelas |
| EC50 72h - Algae [1] | > 99,2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2] | > 20 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Must follow special treatment according to local regulation.

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| | |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HP Code | : HP3 - "Flammable:" — flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C; — flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air; — flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction; — flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa; — water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities; — other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste. |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number or ID number

| | |
|---------------|-----------|
| UN-No. (ADR) | : UN 1869 |
| UN-No. (IMDG) | : UN 1869 |
| UN-No. (IATA) | : UN 1869 |
| UN-No. (ADN) | : UN 1869 |
| UN-No. (RID) | : UN 1869 |

14.2. UN proper shipping name

| | |
|---------------------------------------|-------------------------------------------------------|
| Proper Shipping Name (ADR) | : MAGNESIUM / MAGNESIUM ALLOYS |
| Proper Shipping Name (IMDG) | : MAGNESIUM ALLOYS |
| Proper Shipping Name (IATA) | : Magnesium alloys |
| Proper Shipping Name (ADN) | : MAGNESIUM ALLOYS |
| Proper Shipping Name (RID) | : MAGNESIUM ALLOYS |
| Transport document description (ADR) | : UN 1869 MAGNESIUM / MAGNESIUM ALLOYS, 4.1, III, (E) |
| Transport document description (IMDG) | : UN 1869 MAGNESIUM ALLOYS, 4.1, III |
| Transport document description (IATA) | : UN 1869 Magnesium alloys, 4.1, III |
| Transport document description (ADN) | : UN 1869 MAGNESIUM ALLOYS, 4.1, III |
| Transport document description (RID) | : UN 1869 MAGNESIUM ALLOYS, 4.1, III |

14.3. Transport hazard class(es)

ADR

| | |
|----------------------------------|-------|
| Transport hazard class(es) (ADR) | : 4.1 |
| Danger labels (ADR) | : 4.1 |



IMDG

| | |
|-----------------------------------|-------|
| Transport hazard class(es) (IMDG) | : 4.1 |
| Danger labels (IMDG) | : 4.1 |



IATA

| | |
|-----------------------------------|-------|
| Transport hazard class(es) (IATA) | : 4.1 |
| Danger labels (IATA) | : 4.1 |

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ADN

Transport hazard class(es) (ADN) : 4.1
Danger labels (ADN) : 4.1



RID

Transport hazard class(es) (RID) : 4.1
Danger labels (RID) : 4.1



14.4. Packing group

Packing group (ADR) : III
Packing group (IMDG) : III
Packing group (IATA) : III
Packing group (ADN) : III
Packing group (RID) : III

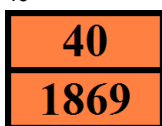
14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR) : F3
Special provisions (ADR) : 59
Limited quantities (ADR) : 5kg
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P002, IBC08, LP02, R001
Special packing provisions (ADR) : B3
Mixed packing provisions (ADR) : MP11
Portable tank and bulk container instructions (ADR) : T1
Portable tank and bulk container special provisions (ADR) : TP33
Tank code (ADR) : SGAV
Vehicle for tank carriage : AT
Transport category (ADR) : 3
Special provisions for carriage - Bulk (ADR) : VC1, VC2
Hazard identification number (Kemler No.) : 40
Orange plates :



Tunnel restriction code (ADR) : E
EAC code : 1Z

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Transport by sea

| | |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Special provisions (IMDG) | : 59, 920 |
| Limited quantities (IMDG) | : 5 kg |
| Excepted quantities (IMDG) | : E1 |
| Packing instructions (IMDG) | : P002, LP02 |
| Special packing provisions (IMDG) | : PP100, L3 |
| IBC packing instructions (IMDG) | : IBC08 |
| IBC special provisions (IMDG) | : B4 |
| Tank instructions (IMDG) | : T1 |
| Tank special provisions (IMDG) | : TP33 |
| EmS-No. (Fire) | : F-G |
| EmS-No. (Spillage) | : S-G |
| Stowage category (IMDG) | : A |
| Stowage and handling (IMDG) | : H1 |
| Segregation (IMDG) | : SG17, SG32, SG35, SG36, SG52, SG25, SG26 |
| Properties and observations (IMDG) | : Silvery white metal. Burns with an intense white light and heat. In contact with water, especially seawater, may evolve hydrogen, a flammable gas. Reacts readily with acids and caustic alkali, evolving hydrogen. Reacts readily with iron oxide, producing a thermite effect. Forms explosive mixtures with oxidizing substances. |

Air transport

| | |
|----------------------------------------------|-------------|
| PCA Excepted quantities (IATA) | : E1 |
| PCA Limited quantities (IATA) | : Y443 |
| PCA limited quantity max net quantity (IATA) | : 10kg |
| PCA packing instructions (IATA) | : 446 |
| PCA max net quantity (IATA) | : 25kg |
| CAO packing instructions (IATA) | : 449 |
| CAO max net quantity (IATA) | : 100kg |
| Special provisions (IATA) | : A15, A803 |
| ERG code (IATA) | : 3L |

Inland waterway transport

| | |
|-----------------------------------|--------|
| Classification code (ADN) | : F3 |
| Special provisions (ADN) | : 59 |
| Limited quantities (ADN) | : 5 kg |
| Excepted quantities (ADN) | : E1 |
| Equipment required (ADN) | : PP |
| Number of blue cones/lights (ADN) | : 0 |

Rail transport

| | |
|-----------------------------------------------------------|---------------------------|
| Classification code (RID) | : F3 |
| Special provisions (RID) | : 59 |
| Limited quantities (RID) | : 5kg |
| Excepted quantities (RID) | : E1 |
| Packing instructions (RID) | : P002, IBC08, LP02, R001 |
| Special packing provisions (RID) | : B3 |
| Mixed packing provisions (RID) | : MP11 |
| Portable tank and bulk container instructions (RID) | : T1 |
| Portable tank and bulk container special provisions (RID) | : TP33 |
| Tank codes for RID tanks (RID) | : SGAV |
| Transport category (RID) | : 3 |
| Special provisions for carriage – Packages (RID) | : W1 |
| Special provisions for carriage – Bulk (RID) | : VC1, VC2 |
| Colis express (express parcels) (RID) | : CE11 |
| Hazard identification number (RID) | : 40 |

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) | |
|----------------------------------------|--------------------------------------------|
| Reference code | Applicable on |
| 40. | NU1869 Magnesium (metal) ribbon Extra Pure |

REACH Annex XIV (Authorisation List)

NU1869 Magnesium (metal) ribbon Extra Pure is not on the REACH Annex XIV List

REACH Candidate List (SVHC)

NU1869 Magnesium (metal) ribbon Extra Pure is not on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

NU1869 Magnesium (metal) ribbon Extra Pure is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

POP Regulation (Persistent Organic Pollutants)

NU1869 Magnesium (metal) ribbon Extra Pure is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Ozone Regulation (1005/2009)

Magnesium (metal) is not subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

VOC Directive (2004/42)

VOC content : 0 %

Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Drug Precursors Regulation (273/2004)

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

15.1.2. National regulations

Germany

Water hazard class (WGK) : WGK nwg, Non-hazardous to water (KBwS-Beschluss; ID No. 1443).
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed
SZW-lijst van mutagene stoffen : The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

15.2. Chemical safety assessment

No additional information available

NU1869 Magnesium (metal) ribbon Extra Pure

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 16: Other information

Full text of H- and EUH-statements:

| | |
|----------------|----------------------------------------------------------------------------------------|
| H250 | Catches fire spontaneously if exposed to air. |
| H260 | In contact with water releases flammable gases which may ignite spontaneously. |
| Pyr. Sol. 1 | Pyrophoric Solids, Category 1 |
| Water-react. 1 | Substances and Mixtures which, in contact with water, emit flammable gases, Category 1 |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.