

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

|               |                                       |
|---------------|---------------------------------------|
| Product form  | : Substance                           |
| Trade name    | : Zinc sheet 100 x 30 x 0,8 mm        |
| Chemical name | : zinc powder— zinc dust (pyrophoric) |
| IUPAC name    | : zinc                                |
| EC Index-No.  | : 030-001-00-1                        |
| EC-No.        | : 231-175-3                           |
| CAS-No.       | : 7440-66-6                           |
| Product code  | : ZNMT-L01                            |
| Formula       | : Zn                                  |

**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](mailto:info@labbox.com) - [www.labbox.com](http://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<br>(Belfast Centre)<br>Royal Victoria Hospital | Grosvenor Road<br>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]**

Not classified

**Adverse physicochemical, human health and environmental effects**

No additional information available

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

No labelling applicable

**2.3. Other hazards**

No additional information available

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Substance type : Mono-constituent

| Name                         | Product identifier  | %   |
|------------------------------|---|-----|
| Zinc sheet 100 x 30 x 0,8 mm | CAS-No.: 7440-66-6<br>EC-No.: 231-175-3<br>EC Index-No.: 030-001-00-1 | 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.

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

No additional information available

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

Never give anything by mouth to an unconscious person.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

No additional information available

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

No additional information available

#### 5.3. Advice for firefighters

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

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

No additional information available

#### 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.

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### 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

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.  
Storage area : Store in a dry area. Store in a cool, well-ventilated place.  
Special rules on packaging : Keep only in original container.

### 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

No additional information available

#### 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

| Zinc sheet 100 x 30 x 0,8 mm (7440-66-6) |                           |
|--|---------------------------|
| <b>DNEL/DMEL (Workers)</b>               |                           |
| Long-term - systemic effects, dermal     | 83 mg/kg bodyweight/day   |
| Long-term - systemic effects, inhalation | 5 mg/m <sup>3</sup>       |
| <b>DNEL/DMEL (General population)</b>    |                           |
| Long-term - systemic effects, oral       | 0,83 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 2,5 mg/m <sup>3</sup>     |
| Long-term - systemic effects, dermal     | 83 mg/kg bodyweight/day   |
| <b>PNEC (Water)</b>                      |                           |
| PNEC aqua (freshwater)                   | 20,6 µg/l                 |
| PNEC aqua (marine water)                 | 6,1 µg/l                  |
| <b>PNEC (Sediment)</b>                   |                           |
| PNEC sediment (freshwater)               | 117,8 mg/kg dwt           |
| PNEC sediment (marine water)             | 56,5 mg/kg dwt            |
| <b>PNEC (Soil)</b>                       |                           |
| PNEC soil                                | 35,6 mg/kg dwt            |

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#### PNEC (STP)

|                             |          |
|-----------------------------|----------|
| PNEC sewage treatment plant | 100 µg/l |
|-----------------------------|----------|

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No additional information available

#### 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

No additional information available

#### 8.2.2.2. Skin protection

##### Hand protection:

Protective gloves

#### 8.2.2.3. Respiratory protection

No additional information available

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

No additional information available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                           |  |
|---------------------------|--|
| Physical state            | : Solid  |
| Colour                    | : Not available  |
| Odour                     | : Not available  |
| Odour threshold           | : Not available  |
| Melting point             | : Not available  |
| 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   |
| Viscosity, dynamic        | : > 500 mPa·s Temp.: 'other:417.0°C' Parameter: 'dynamic viscosity (in mPa s)' |
| Solubility                | : Not available  |

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|   |                  |
|---|------------------|
| Partition coefficient n-octanol/water (Log Kow) | : Not available  |
| Vapour pressure                                 | : Not available  |
| Vapour pressure at 50 °C                        | : Not available  |
| Density   | : Not available  |
| Relative density                                | : Not available  |
| 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

No additional information available

## 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 of use.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## 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 |

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|--|--|
| LD50 oral rat                            | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LC50 inhalation rat (mg/l)               | > 5,41 mg/l air Animal: rat, Guideline: OECD Guideline 403 (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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|                            |   |
|----------------------------|---|
| NOAEL (oral, rat, 90 days) | 31,52 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |
|----------------------------|---|

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

### 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.

## SECTION 14: Transport information

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

### 14.1. UN number or ID number

UN-No. (ADR) : Not regulated  
UN-No. (IMDG) : Not regulated  
UN-No. (IATA) : Not regulated  
UN-No. (ADN) : Not regulated  
UN-No. (RID) : Not regulated

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not regulated

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|                             |                 |
|-----------------------------|-----------------|
| Proper Shipping Name (IMDG) | : Not regulated |
| Proper Shipping Name (IATA) | : Not regulated |
| Proper Shipping Name (ADN)  | : Not regulated |
| Proper Shipping Name (RID)  | : Not regulated |

### 14.3. Transport hazard class(es)

|                                  |                 |
|----------------------------------|-----------------|
| <b>ADR</b>                       |                 |
| Transport hazard class(es) (ADR) | : Not regulated |

|                                   |                 |
|-----------------------------------|-----------------|
| <b>IMDG</b>                       |                 |
| Transport hazard class(es) (IMDG) | : Not regulated |

|                                   |                 |
|-----------------------------------|-----------------|
| <b>IATA</b>                       |                 |
| Transport hazard class(es) (IATA) | : Not regulated |

|                                  |                 |
|----------------------------------|-----------------|
| <b>ADN</b>                       |                 |
| Transport hazard class(es) (ADN) | : Not regulated |

|                                  |                 |
|----------------------------------|-----------------|
| <b>RID</b>                       |                 |
| Transport hazard class(es) (RID) | : Not regulated |

### 14.4. Packing group

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

### 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**  
Not regulated

**Transport by sea**  
Not regulated

**Air transport**  
Not regulated

**Inland waterway transport**  
Not regulated

**Rail transport**  
Not regulated

### 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.                                    | Zinc sheet 100 x 30 x 0,8 mm |

###### REACH Annex XIV (Authorisation List)

Zinc sheet 100 x 30 x 0,8 mm is not on the REACH Annex XIV List

###### REACH Candidate List (SVHC)

Zinc sheet 100 x 30 x 0,8 mm is not on the REACH Candidate List

###### PIC Regulation (Prior Informed Consent)

Zinc sheet 100 x 30 x 0,8 mm 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)

Zinc sheet 100 x 30 x 0,8 mm 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)

Zinc sheet 100 x 30 x 0,8 mm 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.

###### 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 2, Significantly hazardous to water (Classification according to VwVwS, Annex 3; ID No. 7325).
- 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

### SECTION 16: Other information

No additional information available

Safety Data Sheet (SDS), EU



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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.