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## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Commercial Product Name : ZINC  
 Chemical name of the substance : Zinc  
 REACH Registration Number : 01-2119467174-37-0051  
 EC No : 231-175-3  
 CAS no : 7440-66-6

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

Specific use(s) : Chemical products ,  
 Additive ,  
 Catalyst ,  
 Alloy ,  
 granules ,  
 pellets ,  
 sheets ,  
 Article ,  
 Spraying ,  
 Welding ,  
 powder ,  
 Coating ,  
 Manufacture of paints, varnishes and similar coatings, printing ink and  
 mastics ,  
 Chemical plating of metals ,  
 Dipping ,  
 Corrosion inhibitor ,  
 Lubricant ,  
 Laboratory chemicals ,  
 Reducing agent in chemical synthesis .

### 1.3. Details of the supplier of the safety data sheet

Company : Trafigura Beheer BV  
 Gustav Mahlerplein 102, ITO Tower - 20th Floor  
 1082 MA-Amsterdam, The Netherlands  
  
 Tel.:+31 20 504 1852  
 E-mail address:TrafiguraReach@trafigura.com

### 1.4. Emergency telephone number

Emergency telephone number : +32 3 575 03 30(This telephone number is available 24 hours per day, 7 days per week.)


## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### **2.1.1. Classification according to Regulation (EU) 1272/2008**

CLP-Classification : Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Not classified

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### 2.1.2. Classification according to EU Directives 67/548/EEC or 1999/45/EC

Classification : The product is non-dangerous in accordance with Directive 67/548/EEC.

Not classified

### 2.2 Label elements

#### 2.2.1. Labelling according to Regulation (EU) 1272/2008

No labelling applicable

#### 2.2.2. Labelling according to Directives (67/548/EEC - 1999/45/EC)

### 2.3. Other hazards

Other hazards not contributing to the classification : Risk of dust explosion.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Substance name	Product identifier	%	Classification according to Directive 67/548/EEC
Zinc	(CAS no) 7440-66-6 (EC No) 231-175-3 (EC Index) 030-002-00-7	> 98,5	
Substance name	Product identifier	%	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
Zinc	(CAS no) 7440-66-6 (EC No) 231-175-3 (EC Index) 030-002-00-7	> 98,5	

For the full text of R- and H-phrases in this section, see section 16.

### 3.2. Mixtures


Not applicable

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

Inhalation	: Keep at rest. Move to fresh air. Consult a physician if necessary.
Skin contact	: Wash off with plenty of water. If skin irritation persists, call a physician.
Eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
Ingestion	: Rinse mouth. Consult a physician if necessary.
Additional advice	: Never give anything by mouth to an unconscious person. Show this safety data sheet to the doctor in attendance. Treat symptomatically.

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

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Inhalation	: as offered : This product has no known adverse effect on human health. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.
Skin contact	: No adverse effects are expected.
Eye contact	: No adverse effects are expected.
Ingestion	: No adverse effects are expected.

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

No data available

### **5. FIRE-FIGHTING MEASURES**

#### **5.1. Extinguishing media**

Suitable extinguishing media	: Use dry chemical, CO <sub>2</sub> , water spray or alcohol resistant foam.
Extinguishing media which shall not be used for safety reasons	: High volume water jet

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

Specific hazards	: Possible decomposition products are: ZnOx Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
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#### **5.3. Advice for firefighters**

Special protective equipment for fire-fighters	: Wear personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.
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### **6. ACCIDENTAL RELEASE MEASURES**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions	: Wear personal protective equipment. See also section 8 . Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition.
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#### **6.2. Environmental precautions**

Environmental precautions	: Do not flush into surface water or sanitary sewer system.
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#### **6.3. Methods and materials for containment and cleaning up**

Methods for cleaning up	: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local regulations.
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### **7. HANDLING AND STORAGE**

#### **7.1. Precautions for safe handling**


Handling	: Wear personal protective equipment. See also section 8 . Keep away from open flames, hot surfaces and sources of ignition. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation.
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#### **7.2. Conditions for safe storage, including any incompatibilities**

Storage	: Keep tightly closed in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10. Keep away from open flames, hot surfaces and sources of ignition.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice.

#### **7.3. Specific end use(s)**

Specific use(s)	: Chemical products , Additive , Catalyst , Alloy , granules , pellets , sheets ,
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Article , Spraying , Welding , powder , Coating , Manufacture of paints, varnishes and similar coatings, printing ink and mastics , Chemical plating of metals , Dipping , Corrosion inhibitor , Lubricant , Laboratory chemicals , Reducing agent in chemical synthesis .

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Exposure limit(s) : No information available.

### 8.2. Exposure controls

Respiratory protection : not required under normal use Avoid dust formation. In the case of respirable dust and/or fumes, use self-contained breathing apparatus. Respirator with a full face mask (EN 136), Respirator with a half face mask (EN 140), Recommended Filter type: P (EN 143).

Hand protection : Gloves

Eye protection : not required under normal use

Skin and body protection : Wear suitable protective clothing.

Engineering measures : Use only in area provided with appropriate exhaust ventilation. Ensure that eyewash stations and safety showers are close to the workstation location.

Environmental exposure controls :

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance : solid

Colour : no data available

Odour : no data available

pH : not applicable

Boiling point/boiling range : ~ 907 °C

Melting point/range : ~ 419 °C

Flash point : not applicable

Explosion limits : not applicable

Oxidizing properties : not applicable

Water solubility : insoluble

Density : ~ 7,14 g/cm<sup>3</sup> (20°C)

### 9.2. Other information

No data available


## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Reactivity : See also section 10.5

### 10.2. Chemical stability

Stability : Stable under normal conditions.

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**10.3. Possibility of hazardous reactions**

No data available

**10.4. Conditions to avoid**

Conditions to avoid : Keep away from heat and sources of ignition.

**10.5. Incompatible materials**

Incompatible materials : Strong acids , Oxidizing agent .

**10.6. Hazardous decomposition products**

Hazardous decomposition products : ZnOx

**11. TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

**General Information**

**Acute toxicity**

Acute toxicity : No data is available on the product itself.

Inhalation : as offered : This product has no known adverse effect on human health. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.

Skin contact : No adverse effects are expected.

Eye contact : No adverse effects are expected.

Ingestion : No adverse effects are expected.

**Chronic toxicity**

Chronic toxicity : No adverse effects are expected.

**Further information**

**12. ECOLOGICAL INFORMATION**

**12.1. Toxicity**

No data available

**12.2. Persistence and degradability**

Persistence and degradability : No data is available on the product itself.

**12.3. Bioaccumulative potential**

Bioaccumulation : No data is available on the product itself.

**12.4. Mobility in soil**


Mobility : insoluble

**12.5. Results of PBT and vPvB assessment**

No data available

**12.6. Other adverse effects**

No data available

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### 13. DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

- Waste from residues / unused products : Dispose of in accordance with local regulations. Do not let product enter drains.
- Codes of waste (2001/573/EC, 75/442/EEC, 91/689/EEC) : Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

### 14. TRANSPORT INFORMATION

No transport regulation applicable

### 15. REGULATORY INFORMATION

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

##### 15.1.1. EU-Regulations

Authorisations (REACH) : Not applicable.

##### 15.1.2. National regulations

WGK : nwg

#### 15.2. Chemical Safety Assessment

Chemical Safety Assessment : A Chemical Safety Assessment has been carried out for this substance.

### 16. OTHER INFORMATION

Sources of key data used to compile the datasheet : European Chemicals Bureau

The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 67/548/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

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