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

1.1. Product identifier

<table>
<thead>
<tr>
<th>Product form</th>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance name</td>
<td>Zinc Oxide</td>
</tr>
<tr>
<td>EC-No.</td>
<td>215-222-5</td>
</tr>
<tr>
<td>CAS-No.</td>
<td>1314-13-2</td>
</tr>
<tr>
<td>Formula</td>
<td>ZnO</td>
</tr>
</tbody>
</table>

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

1.2.1. Relevant identified uses

Use of the substance/mixture:
Nutrient; Dietary Supplement

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Jost Chemical Co.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>8150 Lackland Rd. 63114 Saint Louis, Missouri</td>
</tr>
<tr>
<td>Contact</td>
<td>T 314-428-4300 - F 314-428-4366</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:sds@jostchemical.com">sds@jostchemical.com</a> - <a href="http://www.jostchemical.com">www.jostchemical.com</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Distributor</th>
<th>JOST CHEMICAL EUROPE SPRL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>rue du Bois Portal n° 30/1-3 B - 5300 Andenne - BELGIQUE</td>
</tr>
<tr>
<td>Contact</td>
<td>T +32 85-552655 - F +32 85-552654</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:info@jostchemical.com">info@jostchemical.com</a></td>
</tr>
</tbody>
</table>

1.4. Emergency telephone number

Emergency number:
For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
United States and Canada: 1-800-424-9300 / +1 703-527-3887
Global: +1 703-741-5970

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture


Hazardous to the aquatic environment — Acute Hazard, Category 1 H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1 H410

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP):

| GHS09 |

Signal word (CLP) : Warning
Hazard statements (CLP) :
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements (CLP) :
P273 - Avoid release to the environment.
P391 - Collect spillage.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : Mono-constituent
Name | Product identifier | %
--- | --- | ---
Zinc Oxide | (CAS-No.) 1314-13-2 (EC-No.) 215-222-5 | 100

Full text of H-statements: see section 16

3.2. Mixtures
Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general:

First-aid measures after inhalation:
- Remove person to fresh air and keep comfortable for breathing. Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

First-aid measures after skin contact:
- Rinse with water. Soap may be used. Take victim to a doctor if irritation persists. Wash skin with plenty of water.

First-aid measures after eye contact:
- Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists. Rinse eyes with water as a precaution.

First-aid measures after ingestion:
- Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Call Poison Information Centre (www.big.be/antigif.htm). Consult a doctor/medical service if you feel unwell. Ingestion of large quantities: immediately to hospital. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after inhalation:

Symptoms/effects after skin contact:
- Not irritating.

Symptoms/effects after eye contact:
- Not irritating. Redness of the eye tissue.

Symptoms/effects after ingestion:

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

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:

5.2. Special hazards arising from the substance or mixture
Fire hazard:
- DIRECT FIRE HAZARD: Non combustible.

Explosion hazard:
- No data available on direct explosion hazard. No data available on indirect explosion hazard.

Reactivity in case of fire:
- On burning: release of harmful gases/vapours.

Hazardous decomposition products in case of fire:
- Toxic fumes may be released.

5.3. Advice for firefighters
Precautionary measures fire:
- Exposure to fire/heat: keep upwind. Exposure to fire/heat: have neighbourhood close doors and windows.

Firefighting instructions:
- Take account of environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it.

Protection during firefighting:
- Heat/fire exposure: compressed air/oxygen apparatus. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
General measures:
- Avoid dust formation. Avoid breathing dust, mist or spray. Wear personal protective equipment.
6.1. For non-emergency personnel

**Protective equipment:** Gloves. Protective clothing. Dust cloud production: compressed air/oxygen apparatus.

**Emergency procedures:** Ventilate spillage area. Mark the danger area. Prevent dust cloud formation. Wash contaminated clothes.

**Measures in case of dust release:** In case of dust production: keep upwind. Dust production: have neighbourhood close doors and windows.

6.1.2. For emergency responders

**Protective equipment:** Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Prevent soil and water pollution. Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

**For containment:** Contain released product, pump into suitable containers. Plug the leak, cut off the supply. Dam up the solid spill. Knock down/dilute dust cloud with water spray.

**Methods for cleaning up:** Mechanically recover the product. Stop dust cloud by covering with sand/earth. Scoop solid spill into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

**Other information:** Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

**SECTION 7: Handling and storage**

7.1. Precautions for safe handling

**Precautions for safe handling:** Ensure good ventilation of the work station. Wear personal protective equipment. Avoid raising dust. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Thoroughly clean/dry the installation before use. Do not discharge the waste into the drain.

**Hygiene measures:** Observe strict hygiene. Keep container tightly closed. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

**Technical measures:** TRGS 510: Storage of hazardous substances in non-stationary containers.

**Storage conditions:** Store in a clean, dry warehouse in the original unopened containers. Store in a well-ventilated place. Keep cool.

**Information on mixed storage:** KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) acids. (strong) bases.

**Storage area:** Store in a cool area. Store in a dry area. Keep container in a well-ventilated place. Keep only in the original container. Store at ambient temperature. Keep container tightly closed. Meet the legal requirements.

**Special rules on packaging:** SPECIAL REQUIREMENTS: closing. dry. clean. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.

**Packaging materials:** SUITABLE MATERIAL: paper. cardboard. wood. glass. polypropylene.

7.3. Specific end use(s)

No additional information available

**SECTION 8: Exposure controls/personal protection**

8.1. Control parameters

**Zinc Oxide (1314-13-2)**

**DNEL/DMEL (Workers)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long-term - systemic effects, dermal</td>
<td>83 mg/kg bw/day</td>
</tr>
<tr>
<td>Long-term - systemic effects, inhalation</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Long-term - local effects, inhalation</td>
<td>0.5 mg/m³</td>
</tr>
</tbody>
</table>

**DNEL/DMEL (General population)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long-term - systemic effects, oral</td>
<td>0.83 mg/kg bw/day</td>
</tr>
<tr>
<td>Long-term - systemic effects, inhalation</td>
<td>2.5 mg/m³</td>
</tr>
<tr>
<td>Long-term - systemic effects, dermal</td>
<td>83 mg/kg bw/day</td>
</tr>
</tbody>
</table>

**PNEC (Water)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PNEC aqua (freshwater)</td>
<td>20.6 µg/l</td>
</tr>
<tr>
<td>PNEC aqua (marine water)</td>
<td>6.1 µg/l</td>
</tr>
</tbody>
</table>
Zinc Oxide
Safety Data Sheet
according to Regulation (EC) No. 453/2010

Zinc Oxide (1314-13-2)
PNEC (Sediment)
PNEC sediment (freshwater) 117.8 mg/kg dwt
PNEC sediment (marine water) 56.5 mg/kg dwt
PNEC (Soil)
PNEC soil 35.6 mg/kg dwt
PNEC (STP)
PNEC sewage treatment plant 100 µg/l

8.2. Exposure controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

Personal protective equipment:

Materials for protective clothing:
GIVE EXCELLENT RESISTANCE: nitrile rubber. chloroprene rubber. PVC. GIVE GOOD RESISTANCE: synthetic material

Hand protection:
Gloves

Eye protection:
Safety glasses. In case of dust production: protective goggles. Safety glasses

Skin and body protection:
Protective clothing

Respiratory protection:
Dust production: dust mask with filter type P2

Personal protective equipment symbol(s):

Environmental exposure controls:
Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Granules. Powder.</td>
</tr>
<tr>
<td>Molecular mass</td>
<td>81.38 g/mol</td>
</tr>
<tr>
<td>Colour</td>
<td>White to light yellow.</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>6.07 - 6.55 (2.9 mg/l, 20 °C)</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>&gt; 1000 °C (1013 hPa)</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Non flammable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>&lt; 0.1 hPa (20 °C)</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
Relative density : 5.68 (22 °C)
Density : 5680 kg/m³ (22 °C)
   Water: 2.9 mg/l (20 °C)
Log Pow : 1.53 (Estimated value)
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : Not applicable

9.2. Other information
Sublimation point : 1975 °C
VOC content : Not applicable (inorganic)

SECTION 10: Stability and reactivity
10.1. Reactivity
Reacts violently with (some) acids.
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
None under recommended storage and handling conditions (see section 7).
10.5. Incompatible materials
Strong oxidizing agents.
10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information
11.1. Information on toxicological effects
Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

Zinc Oxide (1314-13-2)
LD50 oral rat : > 5000 mg/kg (Equivalent or similar to OECD 401, Rat, Male/female, Experimental value)
LD50 dermal rat : > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Experimental value)
LC50 inhalation rat (mg/l) : > 5.7 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male/female, Experimental value)
Causes serious eye damage. : Not classified (Lack of data)
   pH: 6.07 - 6.55 (2.9 mg/l, 20 °C)
Serious eye damage/irritation : Not classified (Lack of data)
   pH: 6.07 - 6.55 (2.9 mg/l, 20 °C)
Respiratory or skin sensitisation : Not classified (Lack of data)
Germ cell mutagenicity : Not classified (Lack of data)
Carcinogenicity : Not classified (Lack of data)
Reproductive toxicity : Not classified (Lack of data)
STOT-single exposure : Not classified (Lack of data)
STOT-repeated exposure : Not classified (Lack of data)

Zinc Oxide (1314-13-2)
NOAEC (inhalation, rat, dust/mist/fume, 90 days) : 1.5 mg/m³ (OECD 413 method)
Aspiration hazard : Not classified (Lack of data)
Potential adverse human health effects and symptoms : Non-toxic if swallowed (LD50 oral, rat > 5000 mg/kg). Practically non-toxic in contact with skin (LD50 skin > 2000 mg/kg). Not irritant to skin. Practically non-toxic by inhalation (LC50 inh, rat > 5 mg/l/4h). Not irritant to eyes.
12.1. Toxicity

Ecology - general: Dangerous for the environment.
Dangerous for the environment: Very toxic to aquatic life.
Chronic aquatic toxicity: Very toxic to aquatic life with long lasting effects.

### Zinc Oxide (1314-13-2)

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>0.169 mg/l (ASTM E729-88, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Read-across)</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>1 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

### Zinc Oxide (1314-13-2)

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Biodegradability in soil: not applicable. Biodegradability: not applicable.</td>
</tr>
<tr>
<td>Biochemical oxygen demand (BOD)</td>
<td>Not applicable (inorganic)</td>
</tr>
<tr>
<td>Chemical oxygen demand (COD)</td>
<td>Not applicable (inorganic)</td>
</tr>
<tr>
<td>ThOD</td>
<td>Not applicable (inorganic)</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

### Zinc Oxide (1314-13-2)

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
<td>1.53 (Estimated value)</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Not bioaccumulative.</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

### Zinc Oxide (1314-13-2)

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface tension</td>
<td>Not applicable (solid)</td>
</tr>
<tr>
<td>Log Koc</td>
<td>2.2 (log Koc, Literature study)</td>
</tr>
<tr>
<td>Ecology - soil</td>
<td>Low potential for adsorption in soil.</td>
</tr>
</tbody>
</table>

12.5. Results of PBT and vPvB assessment

### Zinc Oxide (1314-13-2)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Other adverse effects: Prevent environmental discharge consistent with regulatory requirements.

13.1. Waste treatment methods

Regional legislation (waste): LWCA (the Netherlands): KGA category 05.
Waste treatment methods: Dispose of contents/container in accordance with licensed collector’s sorting instructions.
Product/Packaging disposal recommendations: Do not discharge into surface water. Do not discharge into the sewer. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Recycle/reuse. Remove to an authorized dump (Class I).

14.1. UN number

UN-No. (ADR) : 3077
UN-No. (IMDG) : 3077
UN-No. (IATA) : 3077
14.2. UN proper shipping name

Proper Shipping Name (ADR) : Environmentally hazardous substance, solid, n.o.s.
Proper Shipping Name (IMDG) : Environmentally hazardous substance, solid, n.o.s.
Proper Shipping Name (IATA) : Environmentally hazardous substance, solid, n.o.s.
Proper Shipping Name (ADN) : Environmentally hazardous substance, solid, n.o.s.
Proper Shipping Name (RID) : Environmentally hazardous substance, solid, n.o.s.

Transport document description (ADR) : UN 3077 Environmentally hazardous substance, solid, n.o.s. (Zinc oxide), 9, III, (-)
Transport document description (IMDG) : UN 3077 Environmentally hazardous substance, solid, n.o.s., 9, III, MARINE POLLUTANT
Transport document description (IATA) : UN 3077 Environmentally hazardous substance, solid, n.o.s., 9, III
Transport document description (ADN) : UN 3077 Environmentally hazardous substance, solid, n.o.s., 9, III
Transport document description (RID) : UN 3077 Environmentally hazardous subst...
### 14.4. Packing group

<table>
<thead>
<tr>
<th>Packing group (ADR)</th>
<th>: III</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packing group (IMDG)</td>
<td>: III</td>
</tr>
<tr>
<td>Packing group (IATA)</td>
<td>: III</td>
</tr>
<tr>
<td>Packing group (ADN)</td>
<td>: III</td>
</tr>
<tr>
<td>Packing group (RID)</td>
<td>: III</td>
</tr>
</tbody>
</table>

### 14.5. Environmental hazards

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

### 14.6. Special precautions for user

#### Overland transport

- **Transport regulations (ADR)**: Subject
- **Classification code (ADR)**: M7
- **Special provisions (ADR)**: 274, 335, 601, 375
- **Limited quantities (ADR)**: 5kg
- **Excepted quantities (ADR)**: E1
- **Packing instructions (ADR)**: P002, IBC08, LP02, R001
- **Special packing provisions (ADR)**: PP12, B3
- **Mixed packing provisions (ADR)**: MP10
- **Portable tank and bulk container instructions (ADR)**: T1, BK1, BK2
- **Portable tank and bulk container special provisions (ADR)**: TP33
- **Tank code (ADR)**: SGAV, LGBV
- **Vehicle for tank carriage**: AT
- **Transport category (ADR)**: 3
- **Special provisions for carriage - Packages (ADR)**: V13
- **Special provisions for carriage - Bulk (ADR)**: VC1, VC2
- **Special provisions for carriage - Loading, unloading and handling (ADR)**: CV13
- **Hazard identification number (Kemler No.)**: 90
- **Orange plates**: 90 3077
- **Tunnel restriction code (ADR)**: -

#### Transport by sea

- **Transport regulations (IMDG)**: Subject
- **Special provisions (IMDG)**: 274, 335, 966, 967
- **Limited quantities (IMDG)**: 5 kg
- **Excepted quantities (IMDG)**: E1
- **Packing instructions (IMDG)**: P002, LP02
- **Special packing provisions (IMDG)**: PP12
- **IBC packing instructions (IMDG)**: IBC08
- **IBC special provisions (IMDG)**: B3
- **Tank instructions (IMDG)**: T1, BK1, BK2, BK3
- **Tank special provisions (IMDG)**: TP33
- **EmS-No. (Fire)**: F-A
- **EmS-No. (Spillage)**: S-F
- **Stowage category (IMDG)**: A

#### Air transport

- **Transport regulations (IATA)**: Subject to the provisions
- **PCA Excepted quantities (IATA)**: E1
- **PCA Limited quantities (IATA)**: Y956
- **PCA limited quantity max net quantity (IATA)**: 30kgG
- **PCA packing instructions (IATA)**: 956
- **PCA max net quantity (IATA)**: 400kg
Zinc Oxide
Safety Data Sheet
according to Regulation (EC) No. 453/2010

10/12/2012 (Version: 1.0)
EN (English)
9/10

10/12/2018 (Version: 3.0)

6/12/2018 (Version: 3.0)

CAO packing instructions (IATA) : 956
CAO max net quantity (IATA) : 400kg
Special provisions (IATA) : A97, A158, A179, A197
ERG code (IATA) : 9L

Inland waterway transport
Classification code (ADN) : M7
Special provisions (ADN) : 274, 335, 61
Limited quantities (ADN) : 5 kg
Excepted quantities (ADN) : E1
Carriage permitted (ADN) : T* B**
Equipment required (ADN) : PP, A
Number of blue cones/lights (ADN) : 0
Additional requirements/Remarks (ADN) : * Only in the molten state. ** For carriage in bulk see also 7.1.4.1. *** Only in the case of transport in bulk.

Rail transport
Transport regulations (RID) : Subject
Classification code (RID) : M7
Special provisions (RID) : 274, 335, 601
Limited quantities (RID) : 5kg
Excepted quantities (RID) : E1
Packing instructions (RID) : P002, IBC08, LP02, R001
Special packing provisions (RID) : PP12, B3
Mixed packing provisions (RID) : MP10
Portable tank and bulk container instructions (RID) : T1, BK1, BK2
Portable tank and bulk container special provisions (RID) : TP33
Tank codes for RID tanks (RID) : SGAV, LGBV
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W13
Special provisions for carriage – Bulk (RID) : VW1
Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW31
Colis express (express parcels) (RID) : CE11
Hazard identification number (RID) : 90

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable

SECTION 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations
No REACH Annex XVII restrictions
Zinc Oxide is not on the REACH Candidate List
Zinc Oxide is not on the REACH Annex XIV List
VOC content : Not applicable (inorganic)
Directive 2012/18/EU (SEVESO III)

15.1.2. National regulations
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. Chemical safety assessment
No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information
Indication of changes:
This sheet was updated (refer to the date at the top of this page).
### Full text of H- and EUH-statements:

<table>
<thead>
<tr>
<th>Aquatic Acute 1</th>
<th>Hazardous to the aquatic environment — Acute Hazard, Category 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Chronic 1</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 1</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life.</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

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.