# SAFETY DATA SHEET

**Revision Date** 21/05/2013

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

**Product Name** **ZINCOTE**

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

**Recommended Use** Lubricate and seal tool joint threads
**Uses advised against** No information available

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

TOPCO OILSITE PRODUCTS LTD.
Bay 7, 3401 - 19 Street N.E.
Calgary, Alberta
CANADA T2E 6S8
Tel.: (403) 219-0255
Fax: (403) 291-3042
MSDS@TOPCOOILSITE.COM

### 1.4 Emergency telephone number

National Poisons Information Service (London Centre)
+44 20 7771 5307

CANUTEC (Canada), 001-613-996-6666, Cell: *666, TTY/TDD: 1-888-675-6863

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Classification (1272/2008/EC)**

| | |
|---|---|
| Acute aquatic toxicity | Category 1 |
| Chronic aquatic toxicity | Category 1 |

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**
N;R50/53

### 2.2 Label elements

**Signal Word**
Warning

**Hazard Statements**
H410 - Very toxic to aquatic life with long lasting effects

**Precautionary statements**
P273 - Avoid release to the environment
P391 - Collect spillage
P501 - Dispose of contents/container to an approved waste disposal plant

### 2.3 Other hazards

None known

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

| Chemical Name | EC-No | CAS-No | Weight % | Classification (67/548/EEC) | Classification (1272/2008/EC) | REACH Registration Number |
|---|---|---|---|---|---|---|
| Zinc | 231-175-3 | 7440-66-6 | 45 - 65 | N; R50/53 | Aquatic acute 1 H400<br>Aquatic Chronic 1 H410 | no data available |
| Hydrated magnesium silicate | 238-877-9 | 14807-96-6 | <5 | - | - | no data available |

For the full text of the R-phrases mentioned in this Section, see Section 16.
For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

**General advice** No hazards which require special first aid measures.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately if symptoms occur.

**Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention immediately if symptoms occur.

**Ingestion** Clean mouth with water and afterwards drink plenty of water. Get medical attention immediately if symptoms occur.

**Inhalation** Move to fresh air. Get medical attention immediately if symptoms occur.

**Protection of first-aiders** Use personal protective equipment. Avoid contact with skin, eyes and clothing.

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

**Main symptoms** No information available.

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

**Notes to physician** Treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

**Suitable extinguishing media** Dry chemical, Water spray, Carbon dioxide ($CO_2$), Foam, sand.

**Extinguishing media which must not be used for safety reasons** Do NOT use water jet.

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

**Special hazard** Hazardous decomposition products formed under fire conditions: Carbon oxides, Zinc oxide. Do not allow run-off from fire fighting to enter drains or water courses.

### 5.3 Advice for firefighters

**Special protective equipment for fire-fighters** Wear self-contained breathing apparatus and protective suit.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation. Evacuate non-essential personnel. Use personal protective equipment.

### 6.2 Environmental precautions

Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Try to prevent the material from entering drains or water courses. Avoid subsoil penetration.

### 6.3 Methods and material for containment and cleaning up

Cover with dry sand/earth. Sweep up and shovel into suitable containers for disposal.

### 6.4 Reference to other sections

See sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Wear personal protective equipment.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Store in accordance with local regulations. Store in original container. Keep away from heat and sources of ignition, Strong oxidising agents.

### 7.3 Specific end use(s)

**Exposure Scenario** Not available.

**Other information** Not available.

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1 Control parameters

| Chemical Name | European Union | The United Kingdom | France | Spain | Germany |
|---|---|---|---|---|---|
| Zinc | | | | | STEL: 4 mg/m³ (inh)<br>TWA: 2 mg/m³ (inh) |
| Hydrated magnesium silicate | | TWA: 1 mg/m³ (resp) | | VLA-ED: 2 mg/m³ (resp) | |

| Chemical Name | Italy | Portugal | Netherlands | Denmark | Poland |
|---|---|---|---|---|---|
| Hydrated magnesium silicate | | VLE-MP: 0.1 fiber/cm3 | TGG-8hr: 0.25 mg/m³ (resp) | TWA: 0.3 fiber/cm3 | NDS: 4 mg/m³ (inh)<br>NDS: 1 mg/m³ (resp) |

| Chemical Name | Belgium | Sweden | Hungary | Finland | Czech Republic |
|---|---|---|---|---|---|
| Hydrated magnesium silicate | TGG 8 hr: 2 mg/m³ (resp) | NGV: 2 mg/m³ (inh)<br>NGV: 1 mg/m³ (resp) | TWA: 2 mg/m³ (resp) | HTP-arvot 8h: 0.5 fiber/cm3 | TWA: 10 mg/m³ (inh) |

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

## 8.2 Exposure controls

**Appropriate engineering controls** Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

**Individual protection measures, such as personal protective equipment**

**Eye protection** Tightly fitting safety goggles.

**Hand protection** Impervious gloves: Natural Rubber, Latex gloves. Break through time: 4 - 8 hours.

**Skin and body protection** Long sleeved clothing.

**Respiratory protection** In case of insufficient ventilation wear suitable respiratory equipment.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

**Environmental Exposure Controls** The product should not be allowed to enter drains, water courses or the soil.

# SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

## 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| **Physical state @20°C** | solid |
| **Appearance** | paste |
| **Colour** | Light grey |
| **Odour** | mild Petroleum |
| **pH** | No information available |
| **Melting/freezing point** | No information available |
| **Boiling point/boiling range** | 260 °C |
| **Flash point** | >171°C ( ASTM D-92 ) |
| **Evaporation rate** | No information available |
| **Flammability (solid, gas)** | No information available |
| **Flammability Limits in Air** | No information available |
| **Vapour pressure** | No information available |
| **Vapour density** | No information available |
| **Relative density** | No information available |
| **Solubility** | |
| **Water solubility** | Insoluble |
| **Partition coefficient (n-octanol/water)** | No information available |
| **Autoignition Temperature** | No information available |
| **Decomposition temperature** | No information available |
| **Viscosity, dynamic** | No information available |
| **Explosive properties** | No information available |
| **Oxidising Properties** | No information available |

## 9.2 Other information

| | |
|---|---|
| **Specific Gravity** | 1.6 - 1.84 g/cc |

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Inert, not reactive.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

### 10.4 Conditions to avoid

Heat, flames and sparks.

### 10.5 Incompatible materials

Strong oxidising agents.

### 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions: Carbon oxides, Zinc oxide.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute toxicity**

| | |
|---|---|
| **Ingestion** | No known effect. |
| **Skin contact** | No known effect. |
| **Inhalation** | No known effect. |

| | |
|---|---|
| **Skin corrosion/irritation** | May cause skin irritation and/or dermatitis. |
| **Serious eye damage/irritation** | No known effect. Dust contact with the eyes can lead to mechanical irritation. |
| **Respiratory or skin sensitisation** | No known effect. |
| **Germ cell mutagenicity** | Not known to cause heritable genetic damage. |
| **Carcinogenicity** | Contains no ingredient listed as a carcinogen. |
| **Reproductive toxicity** | Not known to cause birth defects or have a deleterious effect on a developing fetus. Not known to adversely affect reproductive functions and organs. |
| **STOT-single exposure** | No known effect. |
| **STOT-repeated exposure** | No known effect. |
| **Aspiration hazard** | No known effect. |

# SECTION 12: ECOLOGICAL INFORMATION

## 12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

| Chemical Name | Toxicity to algae | Toxicity to fish | Toxicity to microorganisms | Toxicity to daphnia and other aquatic invertebrates. |
|---|---|---|---|---|
| Zinc | EC50: 0.11 - 0.271 mg/L Pseudokirchneriella subcapitata 96 h static<br>EC50: 0.09 - 0.125 mg/L Pseudokirchneriella subcapitata 72 h static | LC50: 2.16-3.05 mg/L Pimephales promelas 96 h flow-through<br>LC50: 0.211-0.269 mg/L Pimephales promelas 96 h semi-static<br>LC50: 2.66 mg/L Pimephales promelas 96 h static<br>LC50: 30 mg/L Cyprinus carpio 96 h<br>LC50: 0.45 mg/L Cyprinus carpio 96 h semi-static<br>LC50: 7.8 mg/L Cyprinus carpio 96 h static<br>LC50: 3.5 mg/L Lepomis macrochirus 96 h static<br>LC50: 0.24 mg/L Oncorhynchus mykiss 96 h flow-through<br>LC50: 0.59 mg/L Oncorhynchus mykiss 96 h semi-static<br>LC50: 0.41 mg/L Oncorhynchus mykiss 96 h static | | EC50: 0.139 - 0.908 mg/L Daphnia magna 48 h Static |

## 12.2 Persistence and degradability

No information available.

## 12.3 Bioaccumulative potential

No information available.

## 12.4 Mobility in soil

No information available.

## 12.5 Results of PBT and vPvB assessment

No information available.

## 12.6 Other adverse effects

No information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**Waste from residues / unused products** Dispose of as hazardous waste in compliance with local and national regulations.

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

## SECTION 14: TRANSPORT INFORMATION

According to: ADR, RID, ADN, IMDG, ICAO.

### 14.1 UN number

3077

### 14.2 UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. ( Zinc )

### 14.3 Transport hazard class(es)

Hazard Class 9

### 14.4 Packing group

Packing group III

### 14.5 Environmental hazards

Toxic to aquatic life with long lasting effects.

### 14.6 Special precautions for user

Not applicable.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

## SECTION 15: REGULATORY INFORMATION

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

**Restrictions on use** None.

**Other regulations** None.

### 15.2 Chemical safety assessment

Not required.

## SECTION 16: OTHER INFORMATION

**Full text of R-phrases referred to under sections 2 and 3**
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**Full text of H-Statements referred to under sections 2 and 3**
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects

**Revision Note** Format updated in compliance with European REACH and CLP regulations.

**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**Disclaimer**
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