

Safety Data Sheet According to 1907/2006/EC, Article 31

Printing date: 04.05.2010

Revision: 04.05.2010

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** API Modified
- **Application of the substance/the preparation:** Lubricant and sealant for pipe threads.
- **Manufacturer/Supplier:**
TOPCO OILSITE PRODUCT LTD.
Bay 5, 3401 – 19 Street N.E.
Calgary, Alberta
CANADA T2E 6S8
Tel.: (403) 219-0255
Fax: (403) 291-3042
- **Further information obtainable from:** MSDS@TOPCOOILSITE.COM
- **Information in case of emergency:** National Poisons Information Service (NPIS): 0870 600 6266 (UK Only)

2 Hazards identification

- **Hazard description:**



- **Information concerning particular hazards for human and environment:**
R61 May cause harm to the unborn child.
R20/22 Harmful by inhalation and if swallowed.
R33 Danger of cumulative effects.
R62 Possible risk of impaired fertility.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature.

3 Composition/information on ingredients

- **Dangerous components:**

CAS: 7782-42-5	Graphite	>15%
EINECS: 231-955-3		
CAS: 7440-66-6	Zinc powder	10-15%
EINECS: 231-175-3	N; R50/53	
CAS: 1317-38-0	Copper oxide	1-5%
EINECS: 215-269-1	Xn, N; R22-50/53	
CAS: 7439-92-1	Lead	>25%
EINECS: 231-100-4	T, N; R61-20/22-33-62-50/53	
- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor.
- **After skin contact:** Immediately wash with water and soap. Consult doctor in case of complaints.
- **After eye contact:**
Rinse opened eye for several minutes under running water. Consult doctor in case of complaints.
- **After swallowing:** Rinse out mouth with water. Do not induce vomiting. Consult doctor.

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5 Fire-fighting measures

- **Suitable extinguishing agents:** Dry chemical, waterfog, CO₂, foam or sand/earth.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Should not be released into the environment. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities.
- **Measures for cleaning/collecting:**
Pick up mechanically. Place in container for disposal according to local/national regulations.
- **Additional information:**
No other dangerous substances are released.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Avoid contact with skin, eyes and mouth.
- **Information about fire and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Keep in a dry, cool area. Keep away from sources of heat.
- **Information about storage in one common storage facility:** Store in original container.
- **Further information about storage conditions:** None.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**
7782-42-5 Graphite TWA = 4 mg/m³ 8h respirable, 10 mg/m³ 8h inhalable
7439-92-1 Lead CEIL = 0.15 mg/m³
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **Respiratory protection:** Use a respirator if ventilation is insufficient.
- **Protection of hands:** Chemical resistant, impervious gloves (natural rubber (latex)).
- **Eye protection:** Safety glasses.

9 Physical and chemical properties

- **General Information**
- **Form:** Semi-solid
- **Colour:** Copper
- **Odour:** Odourless
- **Change in condition**
- **Melting point:** Not available.
- **Boiling point:** Not available.
- **Flash point:** >260 °C (ASTM D-92).
- **Self igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density:** 1.8 g/cm³

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- **Solubility in/miscibility with Water:** Not soluble.
- **pH-value:** Not available.

10 Stability and reactivity

- **Thermal decomposition/conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions:** No dangerous reactions known.
- **Dangerous decomposition products:** Carbon oxides (CO, CO₂), zinc oxides, lead oxides.

11 Toxicological information

- **Acute toxicity:**
- **LD50 values relevant for classification:**
1317-30-0 Copper oxide
 Oral LD50 >470 mg/kg (rat)
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
 Harmful by inhalation and if swallowed. May cause harm to the unborn child. Possible risk of impaired fertility. Danger of cumulative effects.

12 Ecological information

- **Ecological effects:**
- **LC/EC50 values relevant for classification:**
1317-30-0 Copper oxide
 LC50 310-850 µg/l 48h (Morone saxatilis)
 LC50 25 ppm 96h (Oncorhynchus mykiss)
- **7439-92-1 Lead**
 LC50 4000 µg/l 48h (Daphnia magna)

At present there are no known other ecotoxicological assessments.

13 Disposal considerations

- **Product:**
- **Recommendation:**
 Disposal in accordance with local and national regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border):**



- **ADR/RID-class**

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- **UN Number:** 3077
- **Danger code (Kemler):** 90
- **Packaging group:** III
- **Hazard label:** 9
- **Description of goods:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S. (Zinc powder, Copper oxide, Lead)

- **Maritime transport IMDG:**



- **MDG-class:** 9
- **UN Number:** 3077
- **Label:** 9
- **Packaging group:** III
- **EMS Number:** F-A,S-F
- **Marine Pollutant:** Yes
- **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S. (Zinc powder, Copper oxide, Lead)

- **Air transport ICAO-TI en IATA-DGR:**



- **ICAO/IATA-class:** 9
- **UN/ID Number:** 3077
- **Label:** 9
- **Packaging group:** III
- **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S. (Zinc powder, Copper oxide, Lead)

15 Regulatory information

- **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals.
The product has been classified and marked in accordance with EU Directives.

- **Code letter and hazard designation of product:**



T Toxic
N Dangerous for the environment

- **Hazard-determining components of labelling:**

Zinc powder
Copper oxide
Lead

- **R-phrases:**

R61 May cause harm to the unborn child.
R20/22 Harmful by inhalation and if swallowed.
R33 Danger of cumulative effects.
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S-phrases:

- S53 Avoid exposure - obtain special instructions before use.
- S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- S60 This material and its container must be disposed of as hazardous waste.
- S61 Avoid release to the environment. Refer to special instructions/safety data sheet

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Full text of R-phrases referred to under sections 2 and 3:

- R22 Harmful if swallowed
- R20/22 Harmful by inhalation and if swallowed.
- R33 Danger of cumulative effects.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R61 May cause harm to the unborn child.
- R62 Possible risk of impaired fertility.

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