

# ThredOn Z-50

## Safety Data Sheet

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

#### Identification of the substance or mixture

**Product Name:** ThredOn Z-50  
**Product Use:** Thread compound, lubricant  
**Manufacturer:** South Coast Products  
20 Southbelt Industrial Dr  
Houston, TX 77047 USA  
**Emergency telephone number:** +1 813 248 0585, 24 hours  
Refer to code 0311

**E-mail address for questions regarding this SDS:** [sharons@socousa.com](mailto:sharons@socousa.com)

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Acute aquatic toxicity (Category 1)  
Chronic aquatic toxicity (Category 1)

#### GHS 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

**Other hazards:** High pressure injection under skin is a medical emergency.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	EC no.	CAS no.	Weight %
Zinc	231-175-3	7440-66-6	45-55

# ThredOn Z-50

## Safety Data Sheet



### 4. FIRST AID MEASURES

- General:** If exposed or concerned, get medical attention or advice.
- Inhalation:** Move exposed person to fresh air. Get medical attention if symptoms occur. No symptoms expected.
- Ingestion:** Wash out mouth with water. Do not induce vomiting unless instructed to by medical personnel. Get medical attention if nausea or stomach pains occur.
- Skin contact:** Remove contaminated clothing and shoes. Wash skin with soap and water. Get medical attention if irritation symptoms occur. High pressure injection under skin is a medical emergency.
- Eye contact:** Check for and remove any contact lenses. Immediately flush eyes with running water for at least 5 minutes, keeping eyelids open. Get medical attention if redness or irritation persists.

### 5. FIRE-FIGHTING MEASURES

- Suitable media:** Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Not suitable:** Do not use water jet.
- Combustion products:** Carbon monoxide, carbon dioxide, products of incomplete hydrocarbon combustion.
- Special protective equipment for fire-fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Wear appropriate personal protection equipment (see section 8).
- Environmental precautions:** Recover free product. Use suitable oil adsorbent and dispose of material in accordance with all regulations. Keep product out of sewers and watercourses, prevent soil penetration. Advise authorities if large amounts of product enters waterways or extensive land areas.

### 7. HANDLING AND STORAGE

- Handling:** Wear appropriate personal protection equipment (see section 8). Do not eat, drink or smoke when using. Wash thoroughly after handling. Follow good hygiene and housekeeping practices.
- Storage:** Store in cool dry area in original or equivalent container in accordance with all regulations. Do not expose to extreme heat or flame. Store below 65°C, away from strong oxidizers and acids.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering controls:** Use with adequate ventilation.
- Eye/face protection:** Safety glasses. Ensure eye bath is to hand.

# ThredOn Z-50

## Safety Data Sheet



<b>Hand protection:</b>	Protective gloves if prolonged or repeated contact is unavoidable.
<b>Skin protection:</b>	No additional protection required beyond normal industrial attire is required.
<b>Respiratory protection:</b>	No special measures required.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance and odor:</b>	Gray semi-solid, mild odor
<b>pH:</b>	Not applicable, insoluble in water
<b>Flash point:</b>	>200°C (Cleveland open cup)
<b>Evaporation rate:</b>	No data
<b>Upper flammability limit:</b>	Not applicable
<b>Lower flammability limit:</b>	Not applicable
<b>Vapor pressure:</b>	No data
<b>Vapor density:</b>	No data
<b>Relative density:</b>	1.7
<b>Solubility:</b>	Insoluble in water, soluble in alcohols and petroleum distillates
<b>Viscosity:</b>	Cone penetration 300-330 (ASTM D-217)
<b>VOC content:</b>	0.36% (2.1g/L)
<b>BTEX content:</b>	0.00%

### 10. STABILITY AND REACTIVITY

<b>Chemical stability:</b>	Stable
<b>Conditions to avoid:</b>	Extreme heat
<b>Incompatible materials:</b>	Strong oxidizers
<b>Hazardous decomposition products:</b>	Harmful or flammable vapors

### 11. TOXICOLOGICAL INFORMATION

#### Potential acute health effects

<b>Acute toxicity:</b>	
<b>Ingestion:</b>	Harmful if swallowed
<b>Skin contact:</b>	No known effect
<b>Inhalation:</b>	Harmful if inhaled, but not considered significant route of entry
<b>Irritation:</b>	May cause mild redness and discomfort on contact with eyes
<b>Corrosivity:</b>	Not corrosive

#### Potential chronic health effects

<b>Sensitization:</b>	Not a sensitizer
<b>Repeated dose toxicity:</b>	Repeated exposure may cause drying of skin from loss of skin oils
<b>Carcinogenicity:</b>	No ingredients listed as carcinogens
<b>Mutagenicity:</b>	Not mutagenic
<b>Reproductive toxicity:</b>	Not a reproductive toxin

# ThredOn Z-50

## Safety Data Sheet



**STOT repeated exposure:** No effects known

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Very toxic to aquatic life with long lasting effects

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia
Zinc	Pseudokirchneriella subcapitata, 96h, EC50: 0.11-0.271 mg/L	Pimephales premelas 96h, LC50: 2.16-3.05 mg/L Cyprinus carpio, 96h, LC50: 7.8 mg/L	Daphnia magna, 48h, EC50: 0.139-0.908 mg/L

**Persistence/degradability:** No information available

**Mobility:** No information available

**Other adverse effects:** No information available

### 13. DISPOSAL CONSIDERATIONS

**Waste disposal:** Generation of waste should be avoided or minimized where possible. Empty containers may contain residue. Dispose of as hazardous waste via licensed waste disposal operator. Follow all applicable regulations.

### 14. TRANSPORT INFORMATION

**Transport information according to USDOT:** Not restricted

**Transport information according to ADR, RID, ADN, IMDG, ICAO, IATA**

**UN number:** UN3077

**Proper shipping name:** Environmentally hazardous substance, solid, n.o.s. (zinc)

**Hazard class:** Class 9

**Packing group:** PGIII

**Marine Pollutant:** No

**Note:** Containers 5 kg (11 lbs) or less are excluded from the requirements of this classification.

### 15. REGULATORY INFORMATION

**OSHA Hazards:** None

**SARA 311/312 Hazard classes:** None

**SARA 313:** Ingredients subject to reporting requirements: zinc, CAS-No. 7440-66-6

**Massachusetts Right To Know Components:** zinc, CAS-No. 7440-66-6

**Pennsylvania Right To Know Components:** zinc, CAS-No. 7440-66-6

**New Jersey Right To Know Components:** zinc, CAS-No. 7440-66-6

**California Prop 65 Components:** This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.

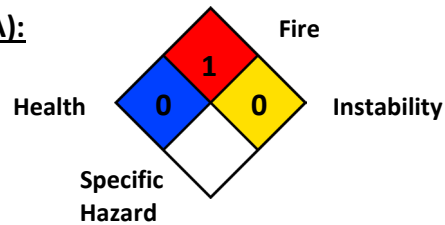
# ThredOn Z-50 Safety Data Sheet

## 16. OTHER INFORMATION

### Hazardous Material Information System (USA):

HEALTH	0
FIRE	1
REACTIVITY	0
PERSONAL PROTECTION	B

### National Fire Protection Association (USA):



**Revision information:** Rev 1: additions to section 9. Rev 2: addition of note in Section 14. Rev 3: reviewed with no changes. Rev 4: revised product name.

**END OF SAFETY DATA SHEET**