

# ThredOn® Rotary Gold Safety Data Sheet

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

### Identification of the substance or mixture

**Product Name:** ThredOn® Rotary Gold  
**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 0305

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

## 2. HAZARDS IDENTIFICATION

### GHS Classification

Acute aquatic toxicity (Category 2)  
Chronic aquatic toxicity (Category 2)

### GHS label elements

#### Symbol:



#### Signal Word:

None

#### Hazard statements:

H411 – 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	1-15
Copper	231-159-6	7440-50-8	1-10

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### 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, copper oxides, zinc oxides.
- 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

#### Control parameters:

Chemical name	CAS no.	Control parameter	Basis
Copper	7440-50-8	TWA: 1 mg/m <sup>3</sup>	ACGIH TLV

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<b>Engineering controls:</b>	Use with adequate ventilation.
<b>Eye/face protection:</b>	Safety glasses. Ensure eye bath is to hand.
<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>	Dark copper 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>	1.25
<b>Solubility:</b>	Insoluble in water, soluble in alcohols and petroleum distillates
<b>Viscosity:</b>	Cone penetration 310-340 (ASTM D-217)

### 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, copper oxides, zinc oxides

### 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.
<b>STOT repeated exposure:</b>	No effects known.

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### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** 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 Pseudokircheriella subcapitata, 72h, EC50: 0.09-0.125 mg/L	Pimephales premelas 96h, LC50: 2.16-3.05 mg/L Pimephales promelas, 96h, LC50: 0.211-0.269 mg/L Pimephales promelas, 96h, LC50: 2.66 mg/L Cyprinus carpio, 96h, LC50: 30 mg/L Cyprinus carpio, 96h, LC50: 0.45 mg/L Cyprinus carpio, 96h, LC50: 7.8 mg/L Onchorhynchus mykiss, 96h, LC50: 0.59 mg/L Onchorhynchus mykiss, 96h, LC50: 0.59 mg/L Onchorhynchus mykiss, 96h, LC50: 0.41 mg/L	Daphnia magna, 48h, EC50: 0.139-0.908 mg/L
Copper		Pimephales promelas, 96h, LC50: 0.0094 mg/L Pimephales promelas, 96h, LC50: 0.0103 mg/L Pimephales promelas, 96h, LC50: 0.0278 mg/L	Daphnia magna, 48H EC50: 0.0318 mg/L Daphnia magna, 48H EC50: 0.036 mg/L Daphnia magna, 48H EC50: 0.055 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 US DOT:** Not regulated

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

**UN number:** UN3077

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

**Hazard class:** Class 9

**Packing group:** PGIII

**Additional information:** Marine pollutant

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

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## 15. REGULATORY INFORMATION

OSHA Hazards: None

SARA 311/312 Hazard classes: None

SARA 313: Ingredients subject to reporting requirements: copper, CAS-no. 7440-50-8; zinc, CAS-No. 7440-66-6

Massachusetts Right To Know Components: copper, CAS-no. 7440-50-8; zinc, CAS-No. 7440-66-6

Pennsylvania Right To Know Components: copper, CAS-no. 7440-50-8; zinc, CAS-No. 7440-66-6

New Jersey Right To Know Components: copper, CAS-no. 7440-50-8; 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.

### International regulations

**Canada: WHMIS Classification:** Not controlled. **WHMIS:** This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. **Canada Domestic Substances List:** All ingredients listed or exempt.

**Europe inventory (EINECS):** All ingredients listed or exempt.

**Australia inventory (AICS):** All ingredients listed or exempt.

**China inventory (IECSC):** All ingredients listed or exempt.

**Japan inventory:** All ingredients listed or exempt.

**Korea inventory:** All ingredients listed or exempt.

**New Zealand Inventory of Chemicals (NZIoC):** All ingredients listed or exempt.

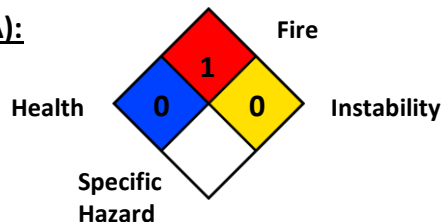
**Philippines inventory (PICCS):** All ingredients listed or exempt

## 16. OTHER INFORMATION

### Hazardous Material Information System (USA):

HEALTH	0
FIRE	1
REACTIVITY	0
PERSONAL PROTECTION	B

### National Fire Protection Association (USA):



**Revision information:** Original GHS compliant issue 30 July 2014; Rev 1: added info to Sec 15. Rev 2: note added to Section 14. Rev 3: reviewed with no changes. Rev 4: reviewed with no changes. Rev 5: revised product name. Rev 6: revised composition percentages, revised email address.

**END OF SAFETY DATA SHEET**