



Revision Date: 19-Mar-2025

# Safety Data Sheet

## Spartan Chemical Company, Inc.

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

**Product Name:** ORANGE TOUGH 15  
**Product Code:** 2215 , 2216  
**Recommended Use:** Cleaning agent  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
www.spartanchemical.com

**24 Hour Emergency Phone**

**Numbers:**  
**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Skin corrosion/irritation: Category 2  
Serious eye damage/eye irritation: Category 1  
Skin sensitization: Category 1

**Label elements**

**Signal word:**

**Danger**

**Symbols:**



**Hazard statements:**

Causes skin irritation  
Causes serious eye damage  
May cause an allergic skin reaction

**Precautionary Statements - Prevention:**

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/clothing and eye/face protection  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing must not be allowed out of the workplace

**Precautionary Statements - Response:**

**Eyes:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

**Skin:**

IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/attention.

**-Specific Treatment:**

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Precautionary Statements - Storage:** Not applicable.

**Precautionary Statements - Disposal:** Dispose of contents and container in accordance with local, state and federal regulations.

**Hazards not otherwise classified (HNOC):** Not applicable

**Other hazards:**

- Harmful if swallowed
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical name                  | CAS No.     | Weight-% |
|--------------------------------|-------------|----------|
| Water                          | 7732-18-5   | 45-70    |
| Dipropylene Glycol Butyl Ether | 29911-28-2  | 5-10     |
| Triethanolamine                | 102-71-6    | 1-5      |
| Alkylbenzene Sulfonic Acid     | 68584-22-5  | 1-5      |
| Soy Methyl Esters              | 67784-80-9  | 1-5      |
| Limonene                       | 5989-27-5   | 1-5      |
| Undeceth-3                     | 34398-01-1  | 1-5      |
| Sodium Xylenesulfonate         | 1300-72-7   | 0.1-1    |
| Tetrasodium EDTA               | 64-02-8     | 0.1-1    |
| Colorant                       | PROPRIETARY | <0.1     |
| Colorant                       | PROPRIETARY | <0.1     |

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**Skin contact:** Wash with soap and water. If skin irritation occurs: Get medical attention.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or physician if you feel unwell.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.

**Note to physicians:** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Product does not support combustion. Use extinguishing agent suitable for type of surrounding fire.

**Specific Hazards Arising from the Chemical:** Dried product is capable of burning. Combustion products are toxic.

**Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.

**Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.

**Methods for cleaning up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

## 7. HANDLING AND STORAGE

**Advice on safe handling:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

**Storage Conditions:** Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep from freezing.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational Exposure Limits:

| Chemical name               | ACGIH TLV               | OSHA PEL | NIOSH |
|-----------------------------|-------------------------|----------|-------|
| Triethanolamine<br>102-71-6 | TWA: 5mg/m <sup>3</sup> | -        | -     |

**Engineering Controls:** Provide good general ventilation.  
If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.  
Eye wash stations and shower facilities should be readily accessible in areas where the product is handled.

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

**Eye/face protection:** Wear splash goggles.

**Skin and body protection:** Wear rubber or other chemical-resistant gloves.

**Respiratory protection:** Not required with expected use.  
If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

**General hygiene considerations:** Wash hands and any exposed skin thoroughly after handling.  
See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical state:** Liquid

**Color:** Orange

**Odor:** Orange

**Odor Threshold:** No information available

| <u>Property</u>                        | <u>Values</u>            | <u>Remarks • Method</u>  |
|--|--------------------------|--------------------------|
| <b>pH:</b>                             | 8.5-9.0                  |                          |
| <b>Melting Point / Freezing Point:</b> | No data available        |                          |
| <b>Boiling Point / Boiling Range:</b>  | 100 °C / 212 °F          |                          |
| <b>Flash Point:</b>                    | 99 °C / 210 °F           | ASTM D56                 |
| <b>Evaporation Rate:</b>               | < 1                      | (Butyl acetate = 1)      |
| <b>Flammability (solid, gas):</b>      | No data available        | No information available |
| <b>Flammability Limits in Air:</b>     |                          | No information available |
| <b>Upper Flammability Limit:</b>       | No data available        |                          |
| <b>Lower Flammability Limit:</b>       | No data available        |                          |
| <b>Vapor Pressure:</b>                 | No data available        | No information available |
| <b>Vapor Density:</b>                  | No data available        | No information available |
| <b>Relative Density:</b>               | 1.00                     |                          |
| <b>Solubility(ies):</b>                | Soluble in water         |                          |
| <b>Partition Coefficient:</b>          | No data available        | No information available |
| <b>Autoignition Temperature:</b>       | Not applicable           |                          |
| <b>Decomposition Temperature:</b>      | Not applicable           |                          |
| <b>Kinematic Viscosity:</b>            | No information available | No information available |
| <b>Particle characteristics:</b>       | Not applicable           |                          |

## 10. STABILITY AND REACTIVITY

**Reactivity:** This material is considered to be non-reactive under normal conditions of use.  
**Chemical stability:** Stable under normal conditions.  
**Possibility of hazardous reactions:** Not expected to occur with normal handling and storage.  
**Conditions to Avoid:** Extremes of temperature and direct sunlight  
**Incompatible materials:** Strong oxidizing agents. Strong acids.  
**Hazardous decomposition products:** May include carbon monoxide, carbon dioxide (CO<sub>2</sub>) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Eyes, Skin, Ingestion, Inhalation.  
**Symptoms of Exposure:**  
**Eye contact:** Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.  
**Skin contact:** Pain, redness and cracking of the skin.  
**Inhalation:** Nasal discomfort and coughing.  
**Ingestion:** Pain, nausea, vomiting and diarrhea.

### Immediate, Delayed, Chronic Effects

**Product Information:** Data not available or insufficient for classification.

### Acute toxicity

#### **Numerical measures of toxicity:**

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 5,322.00 mg/kg  
 ATEmix (dermal) 6,502.00 mg/kg

#### **Component Information:**

| Chemical name                                | Oral LD50                                    | Dermal LD50              | Inhalation LC50        |
|--|--|--------------------------|------------------------|
| Water<br>7732-18-5                           | > 90 mL/kg ( Rat )                           | -                        | -                      |
| Dipropylene Glycol Butyl Ether<br>29911-28-2 | = 1620 µL/kg ( Rat )                         | -                        | > 5.4 mg/L ( Rat ) 4 h |
| Triethanolamine<br>102-71-6                  | = 4190 mg/kg ( Rat )                         | > 20000 mg/kg ( Rabbit ) | -                      |
| Alkylbenzene Sulfonic Acid<br>68584-22-5     | = 775 mg/kg ( Rat )                          | = 2000 mg/kg ( Rabbit )  | -                      |
| Limonene<br>5989-27-5                        | = 5200 mg/kg ( Rat )<br>= 4400 mg/kg ( Rat ) | > 5 g/kg ( Rabbit )      | -                      |
| Sodium Xylenesulfonate<br>1300-72-7          | > 16.2 g/kg ( Rat )                          | > 2000 mg/kg ( Rabbit )  | -                      |
| Tetrasodium EDTA<br>64-02-8                  | = 1658 mg/kg ( Rat )                         | -                        | -                      |

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity:**

| Chemical name                                | Algae/aquatic plants                          | Fish   | Toxicity to microorganisms | Crustacea |
|--|---|--|----------------------------|-----------|
| Dipropylene Glycol Butyl Ether<br>29911-28-2 | -   | LC50: =841mg/L (96h, Poecilia reticulata)          | -                          | -         |
| Triethanolamine<br>102-71-6                  | EC50: =216mg/L (72h, Desmodesmus subspicatus) | LC50: 10600 - 13000mg/L (96h, Pimephales promelas) | -                          | -         |

|  |   |  |   |   |
|--|---|--|---|---|
|  | EC50: =169mg/L (96h, <i>Desmodesmus subspicatus</i> ) | LC50: >1000mg/L (96h, <i>Pimephales promelas</i> )<br>LC50: 450 - 1000mg/L (96h, <i>Lepomis macrochirus</i> )  |   |   |
| Alkylbenzene Sulfonic Acid<br>68584-22-5 | -   | LC50: =3mg/L (96h, <i>Oncorhynchus mykiss</i> )  | - | EC50: =2.9mg/L (48h, <i>Daphnia magna</i> ) |
| Limonene<br>5989-27-5                    | -   | LC50: 0.619 - 0.796mg/L (96h, <i>Pimephales promelas</i> )<br>LC50: =35mg/L (96h, <i>Oncorhynchus mykiss</i> ) | - | -   |
| Tetrasodium EDTA<br>64-02-8              | -   | LC50: =41mg/L (96h, <i>Lepomis macrochirus</i> )<br>LC50: =59.8mg/L (96h, <i>Pimephales promelas</i> )         | - | -   |

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Marine Pollutant:** Yes

**Mobility in Soil:** No information available

**Other adverse effects:** No information available.

### 13. DISPOSAL CONSIDERATIONS

**Waste from residues/unused products:** Dispose of in accordance with federal, state and local regulations.

**Contaminated packaging:** Dispose of in accordance with federal, state and local regulations.

### 14. TRANSPORT INFORMATION

**DOT:** Not Regulated

**Proper Shipping Name:** Non-Hazardous Product

**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:**

**UN number or ID number:** UN3082

**Proper Shipping Name:** Environmentally hazardous product, liquid, n.o.s., (contains d-limonene), Marine Pollutant

**Hazard Class:** 9

**Packing Group:** III

**Marine Pollutant:** Yes

**Additional information:** According to IMDG Code 2.10.2.7, marine pollutants packed in single or inner packagings with a capacity of not more than 5 L or 5 kg are excluded from marine pollutant marking requirements.

### 15. REGULATORY INFORMATION

**TSCA** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

**Acute health hazard:** Yes

**Chronic Health Hazard:** No

Fire hazard: No  
Sudden release of pressure hazard: No  
Reactive Hazard: No

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

**16. OTHER INFORMATION**

**NFPA** Health hazards: 3 Flammability: 1 Instability: 0 Special hazards: -  
**HMIS** Health hazards: 3 Flammability: 1 Physical hazards: 0

Revision Date: 19-Mar-2025  
Revision Note: Section, 2, 7, 9, 11, 12

**Disclaimer:**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**