



Revision Date: 03-Dec-2024

# Safety Data Sheet

## Spartan Chemical Company, Inc.

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

**Product Name:** TOUGH 90  
**Product Code:** 2267  
**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**

Serious eye damage/eye irritation: Category 1  
Aspiration hazard: Category 1

**Label elements**

**Signal word:**

**Danger**

**Symbols:**



**Hazard statements:**

Causes serious eye damage  
May be fatal if swallowed and enters airways

**Precautionary Statements -**

**Prevention:**

Wear protective gloves/clothing and eye/face protection

**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.

**Ingestion:**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

**-Specific Treatment:**

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

**Precautionary Statements - Storage:** Store locked up.

**Precautionary Statements -**

**Disposal:**

Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

**Hazards not otherwise classified**

Not applicable

**(HNOC):****Other hazards:**

- May be harmful if swallowed
- May cause skin irritation.
- Inhalation of vapors or mist may cause respiratory irritation.
- This product can accumulate static charges which may cause an electric spark (ignition source).
- Keep out of reach of children

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
C13-14 Alkane	64742-47-8	80-100
Undeceth-3	34398-01-1	3-7
Alcohols, C9-11, ethers with polyethylene glycol mono-Me ether	366009-01-0	1-5
C9-11 Alcohols Ethoxylated	68439-46-3	1-5

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

### 4. FIRST AID MEASURES

<b>Eye contact:</b>	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
<b>Skin contact:</b>	Wash with soap and water. If skin irritation occurs: Get medical attention.
<b>Inhalation:</b>	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.
<b>Ingestion:</b>	IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Do NOT induce vomiting.
<b>Note to physicians:</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Dry chemical, CO <sub>2</sub> , water spray or regular foam. Move containers from fire area if you can do it without risk.
<b>Specific Hazards Arising from the Chemical:</b>	Combustion products are toxic.
<b>Hazardous Combustion Products:</b>	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.
<b>Methods for cleaning up:</b>	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

<b>Advice on safe handling:</b>	This product can accumulate static charges which may cause an electric spark (ignition source). Use proper bonding and/or ground procedures. For more information see NFPA 77 (Recommended Practice on Static Electricity).
<b>Storage Conditions:</b>	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:** None established

**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.

### 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:** Colorless  
**Odor:** Mild  
**Odor Threshold:** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH:</b>	Not applicable	
<b>Melting Point / Freezing Point:</b>	No data available	
<b>Boiling Point / Boiling Range:</b>	> 227 °C / 441 °F	
<b>Flash Point:</b>	> 97 °C / 207 °F	Estimated
<b>Evaporation Rate:</b>	< 1.0	(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>	0.800	
<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:** Heat, flames and sparks

**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:** Drying of the skin.

**Inhalation:** Nasal discomfort and coughing.

**Ingestion:** Pain, nausea, vomiting and diarrhea. Aspiration may cause pulmonary edema and pneumonitis.

**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) 3,432.20 mg/kg

ATEmix (dermal) 2,309.50 mg/kg

**Component Information:**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
C13-14 Alkane 64742-47-8	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.2 mg/L ( Rat ) 4 h
C9-11 Alcohols Ethoxylated 68439-46-3	= 1400 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
C13-14 Alkane 64742-47-8	-	45: 96 h Pimephales promelas mg/L LC50 flow-through 2.2: 96 h Lepomis macrochirus mg/L LC50 static 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static	-	-

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

**Bioaccumulation:** No information available.

**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:** Not Regulated  
**Proper Shipping Name:** Non-Hazardous Product

## 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

<b>Acute health hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	Yes
<b>Fire hazard:</b>	No
<b>Sudden release of pressure hazard:</b>	No
<b>Reactive Hazard:</b>	No

### California Proposition 65

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

## 16. OTHER INFORMATION

<u>NFPA</u>	Health hazards: 2	Flammability: 1	Instability: 0	Special hazards: -
<u>HMIS</u>	Health hazards: 2*	Flammability: 1	Physical hazards: 0	

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**Revision Note:** Section, 2, 3, 7, 9, 12, 14

### 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**