



Revision Date: 28-Oct-2024

Safety Data Sheet

Spartan Chemical Company, Inc.

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name: TOUGH ON GREASE
Product Code: 2034 , 2034I
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 2A

Label elements

Signal word:

Symbols:

Warning



Hazard statements: Causes skin irritation
Causes serious eye irritation

Precautionary Statements - Prevention: Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/eye protection/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. If eye irritation persists: Get medical advice/attention.

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

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

Precautionary Statements - Storage: Not applicable.

Precautionary Statements - Disposal: Not applicable

Hazards not otherwise classified Not applicable

(HNOC):**Other hazards:**

- May be 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 | 80-100 |
| PPG-2 Propyl Ether | 29911-27-1 | 1-5 |
| C9-11 Alcohols Ethoxylated | 68439-46-3 | 1-5 |
| Pentasodium Triphosphate | 7758-29-4 | 1-5 |
| Sodium Xylenesulfonate | 1300-72-7 | 1-5 |
| Undeceth-3 | 34398-01-1 | 1-5 |
| Sodium Hydroxide | 1310-73-2 | 0.1-1 |
| Phosphoric Acid | 7664-38-2 | 0.1-1 |
| Cyclocarboxypropyloleic Acid | 53980-88-4 | 0.1-1 |
| Triethanolamine | 102-71-6 | <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 at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. |
| Skin contact: | Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. 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 |
|-------------------------------|---|---|---|
| Sodium Hydroxide 1310-73-2 | Ceiling: 2 mg/m ³ | TWA: 2 mg/m ³ (vacated) Ceiling: 2 mg/m ³ | IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³ |
| Phosphoric Acid 7664-38-2 | STEL: 3 mg/m ³ TWA: 1 mg/m ³ | TWA: 1 mg/m ³ (vacated) TWA: 1 mg/m ³ (vacated) STEL: 3 mg/m ³ | IDLH: 1000 mg/m ³ TWA: 1 mg/m ³ STEL: 3 mg/m ³ |
| Triethanolamine 102-71-6 | TWA: 5mg/m ³ | - | - |

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: Clear
Odor: No information available
Odor Threshold: No information available

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--|--------------------------|--------------------------|
| pH: | 11.7-12.3 | |
| Melting Point / Freezing Point: | No data available | |
| Boiling Point / Boiling Range: | 100 °C / 212 °F | |
| Flash Point: | > 100 °C / 212 °F | ASTM D56 |
| Evaporation Rate: | < 1 | |
| Flammability (solid, gas): | No data available | No information available |
| Flammability Limits in Air: | | No information available |
| Upper Flammability Limit: | No data available | |
| Lower Flammability Limit: | No data available | |
| Vapor Pressure: | No data available | No information available |
| Vapor Density: | No data available | No information available |
| Relative Density: | 1.04 | |
| Solubility(ies): | Soluble in water | |
| Partition Coefficient: | No data available | No information available |
| Autoignition Temperature: | Not applicable | |
| Decomposition Temperature: | Not applicable | |
| Kinematic Viscosity: | No information available | No information available |
| Particle characteristics: | 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 ₂) 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 blurred vision. |
| 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) | 10,044.40 mg/kg |
| ATEmix (dermal) | 377,330.50 mg/kg |

Component Information:

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|----------------------|-------------------------|-------------------------------------|
| Water 7732-18-5 | > 90 mL/kg (Rat) | - | - |
| PPG-2 Propyl Ether 29911-27-1 | = 1620 µL/kg (Rat) | - | - |
| C9-11 Alcohols Ethoxylated 68439-46-3 | = 1400 mg/kg (Rat) | - | - |
| Pentasodium Triphosphate 7758-29-4 | = 3120 mg/kg (Rat) | > 7940 mg/kg (Rabbit) | - |
| Sodium Xylenesulfonate 1300-72-7 | = 1000 mg/kg (Rat) | - | - |
| Sodium Hydroxide 1310-73-2 | - | = 1350 mg/kg (Rabbit) | - |
| Phosphoric Acid 7664-38-2 | = 1530 mg/kg (Rat) | = 2740 mg/kg (Rabbit) | > 850 mg/m ³ (Rat) 1 h |
| Cyclocarboxypropyloleic Acid 53980-88-4 | = 6176 mg/kg (Rat) | - | - |
| Triethanolamine 102-71-6 | = 4190 mg/kg (Rat) | > 20 mL/kg (Rabbit) | - |

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 |
|-------------------------------|--|---|----------------------------|-----------|
| Sodium Hydroxide 1310-73-2 | - | 45.4: 96 h Oncorhynchus mykiss mg/L LC50 static | - | - |
| Triethanolamine 102-71-6 | 216: 72 h Desmodesmus subspicatus mg/L EC50 169: 96 h Desmodesmus subspicatus mg/L EC50 | 10600 - 13000: 96 h Pimephales promelas mg/L LC50 flow-through 1000: 96 h Pimephales | - | - |

| | | | | |
|--|--|--|--|--|
| | | promelas mg/L LC50 static 450 - 1000: 96 h Lepomis macrochirus 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

| | |
|---|-----|
| 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: 2 | Flammability: 0 | Instability: 0 | Special hazards: - |
| HMIS | Health hazards: 2 | Flammability: 0 | Physical hazards: 0 | |

Revision Date: 28-Oct-2024
Revision Note: Section, 2, 3, 7, 9, 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