



Spartan Chemical Company, Inc.

Material Safety Data Sheet

SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):

TOUGH DUTY

Product Number: 2040; 2041

Spartan Chemical Company, Inc.

1110 Spartan Drive

Maumee OH 43537

Product Division:

JanitorialProduct/Technical
Information: 1-(800)-537-8990

Medical Emergency: 1-(888)-314-6171 (24 hours)

Chemical Leak/Spill
Emergency: CHEMTREC 1-(800) 424-9300 (24 hours)

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| Shipping Description: Cleaning compounds, liquid, n.o.s. | |
| NFPA Ratings: | HMIS Ratings: |
| Health: 2 - Moderate | Health: *2 - Moderate; Chronic Hazard |
| Fire: 0 - Minimal | Fire: 0 - Minimal |
| Reactivity: 0 - Minimal | Reactivity: 0 - Minimal |
| | Pers. Prot. Equip.: See Section VIII |

SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

| Chemical Name(s) | % W | CAS Registry No. | Table Z- 1 - A | | | NTP, IARC or OSHA Carcinogen |
|--------------------|-----|------------------|-----------------------|------------------------|---------------------------|------------------------------|
| | | | TWA mg/m ³ | STEL mg/m ³ | CEILING mg/m ³ | |
| *2-Butoxyethanol | 1-5 | 111-76-2 | 240 [skin] 96 | Not Established | Not Established | No |
| Alcohol ethoxylate | 1-5 | 68991-48-0 | Not Established | Not Established | Not Established | No |

Comment: *This substance is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA) and of 40 CFR 372.

SECTION III: PHYSICAL DATA

| | | | |
|---------------------------------------|---------------------------------|---|----------|
| Boiling Point: | 212 °F | Vapor Pressure: | Unknown |
| Vapor Density (AIR = 1): | Unknown | Solubility in Water: | Complete |
| pH: | 11.5-12.0 | Specific Gravity (H₂O=1): | 1.00 |
| Evaporation Rate (but.ace.=1): | <1 | Percent Solid by Weight: | 1-5 |
| Physical State: | Liquid | | |
| Appearance & Odor: | Clear pink liquid, floral odor. | | |

▼ SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

| | | | |
|-----------------------------------|--|------------------|----------|
| Flash Point: | > 212°F | Method Used: | ASTM-D56 |
| Flammable Limits: | Not Established | Flame Extension: | N/A |
| Extinguishing Media: | Product does not support combustion. Use extinguishing media appropriate for surrounding fire. | | |
| Special Fire Fighting Procedures: | Wear NIOSH approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray. | | |
| Unusual Fire & Explosive Hazards: | Combustion products are toxic. | | |

▼ SECTION V: HEALTH HAZARD DATA

| | | | |
|--|--|--------------------------|---------------------------------------|
| Threshold Limit Value: | Not Established | Primary Routes of Entry: | Inhalation, Skin Contact, Eyes & Oral |
| Effects of Overexposure-Conditions to Avoid: | <p>Causes eye irritation: Symptoms may include pain, redness and swelling of the conjunctiva.</p> <p>Causes skin irritation: Symptoms may include redness, pain and swelling.</p> <p>Harmful if absorbed through the skin.</p> <p>May be harmful if swallowed: Symptoms include pain, nausea, vomiting and diarrhea.</p> <p>Breathing product vapors or mist may cause respiratory irritation: Symptoms may include nasal discomfort and coughing. Contains 2-butoxyethanol which may cause central nervous system depression with symptoms such as headache; dizziness; nausea and drowsiness. Exposure to 2-butoxyethanol may cause blood cell; liver and kidney damage based on animal data.</p> <p>Avoid contact with eyes, skin and clothing. Avoid breathing product vapors or mists. Do not swallow. Use with adequate ventilation. Wash thoroughly after handling.</p> | | |
| Conditions Aggravated by Use: | Use of this product may aggravate preexisting skin; eye and respiratory disorders including asthma and dermatitis. | | |

Emergency & First Aid Procedures:

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| Eyes: | Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses. Get medical attention. |
| Skin: | Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists. Wash contaminated clothing before reuse. |
| Ingestion: | Do not induce vomiting. Drink one or two glasses of water to dilute product. Get medical attention. Do not give anything by mouth to an unconscious person. |
| Inhalation: | Move person to fresh air. Get medical attention if irritation persists. |

▼ SECTION VI: REACTIVITY DATA

| | | | |
|-----------------------------------|---------------------------------|---------------------------|-----------------------------------|
| Stability: | Stable | Incompatible Materials: | Strong acids and oxidizing agents |
| Hazardous Decomposition Products: | Carbon dioxide, carbon monoxide | Hazardous Polymerization: | Will Not Occur |

▼ SECTION VII: SPILL OR LEAK PROCEDURES

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| Steps to be Taken in Case Material is Released or Spilled: | Small spills of one gallon or less may be flushed with plenty of water to sanitary sewer system (If permitted by local sewer regulations). Dike and contain large spills with inert material and transfer liquid to containers for disposal. Keep spill out of storm sewers and waterways. |
| Waste Disposal Method: | Dispose of in compliance with all federal, state and local laws and regulations. |

▼ SECTION VIII: SPECIAL PROTECTION INFORMATION

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| Respiratory Protection: | Not normally required when good general ventilation is provided. |
| Ventilation: | Provide good general ventilation. Local exhaust ventilation may be necessary for some operations. |
| Protective Gloves(Specify Type): | Rubber or other impervious gloves. |
| Eye Protection(Specify Type): | Splash goggles are recommended to prevent eye contact. |
| Other Protective Equipment: | See 29 CFR 1910.132-138 for further guidance. |

▼ SECTION IX: SPECIAL PRECAUTIONS

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| Precautions; Handling & Storing: | Store in a cool, dry area. Do not freeze. Do not store above 120°F. Do not mix with other chemicals. |
| Other Precautions: | Keep out of reach of children |

© SCC 06/01/2007
TOUGH DUTY

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Effective 06/01/2007
Date:

Title: Manager, Regulatory Affairs
Supercedes: 06/30/2005

Ref: 29 CFR 1910.1200 (OSHA) Changes: Update Section II

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