



# Spartan Chemical Company, Inc.

## Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

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

**GREEN SOLUTIONS NEUTRAL DISINFECTANT CLEANER**

Product Number: 3502

2-Liter Cartridge 103: 3513

Product Division:

**Janitorial**

**Spartan Chemical Company, Inc.**  
**1110 Spartan Drive**  
**Maumee OH 43537**

Product/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)**

Shipping Description: Cleaning compounds, liquid, n.o.s.

| NFPA Ratings:  | HMIS Ratings:   |
|--|---|
| <b>Health:</b> 3 - Serious<br><b>Fire:</b> 0 - Minimal<br><b>Reactivity:</b> 0 - Minimal | <b>Health:</b> 3 - Serious<br><b>Fire:</b> 0 - Minimal<br><b>Reactivity:</b> 0 - Minimal<br><b>Pers. Prot. Equip.:</b> 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)                         | %Wt | CAS Registry No. | Table Z-1-A           |                        |                           | NTP, IARC or OSHA Carcinogen |
|--|-----|------------------|-----------------------|------------------------|---------------------------|------------------------------|
|  |     |                  | TWA mg/m <sup>3</sup> | STEL mg/m <sup>3</sup> | CEILING mg/m <sup>3</sup> |                              |
| Dialkyl dimethyl ammonium chloride       | 1-5 | 68424-95-3       | Not Established       | Not Established        | Not Established           | No                           |
| Alcohol ethoxylate                       | -   | -                | -                     | -                      | -                         | -                            |
| Alcohol ethoxylate                       | 1-5 | 68131-39-5       | Not Established       | Not Established        | Not Established           | No                           |
| Alkyl dimethyl benzyl ammonium chloride  | 1-5 | 68424-85-1       | Not Established       | Not Established        | Not Established           | No                           |
| Ethanol                                  | -   | -                | -                     | -                      | -                         | -                            |
| Ethanol                                  | 1-5 | 64-17-5          | 1900                  | Not Established        | Not Established           | No                           |
| Tetrasodium ethylene diaminetetraacetate | 1-5 | 64-02-8          | Not Established       | Not Established        | Not Established           | No                           |
|  | -   | -                | -                     | -                      | -                         | -                            |

### SECTION III: PHYSICAL DATA

|  |  |
|--|--|
| Boiling Point: 212 °F  | Vapor Pressure: Not determined             |
| Vapor Density (AIR = 1): Not determined                      | Solubility in Water: Complete              |
| pH: 6-7  | Specific Gravity (H <sub>2</sub> O=1): 1.0 |
| Evaporation Rate (but.ace.=1): <1                            | Percent Solid by Weight: 5-10              |
| Physical State: Liquid                                       |  |
| Appearance & Odor: Clear to slightly yellow liquid, low 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 |
| Effects of Overexposure-      | <b>CORROSIVE.</b>  |                          |                                |
| Conditions to Avoid:          | <b>CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS:</b> Symptoms may include pain, redness, swelling and tissue damage. May be fatal if absorbed through the skin.<br><b>HARMFUL IF SWALLOWED.</b> Symptoms may include nausea, vomiting, pain and diarrhea.<br><b>INHALATION OF SPRAY MIST MAY CAUSE RESPIRATORY IRRITATION.</b> Breathing spray mist may cause coughing and difficulty breathing.<br><b>Do not get in eyes, skin or clothing. Do not taste or swallow. Avoid inhalation of spray mist. Wash thoroughly with soap and water after handling.</b> |                          |                                |
| Conditions Aggravated by Use: | Use of this product may aggravate preexisting skin; eye and respiratory disorders including asthma and dermatitis.   |                          |                                |

**Emergency & First Aid Procedures:**

|             |   |
|-------------|---|
| Eyes:       | Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses; If present ; after the first 5 minutes; then continue rinsing eye. Call a poison control center or doctor for treatment advice.  |
| Skin:       | Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes . Call a poison control center or doctor for treatment advice. Wash contaminated clothing before reuse.   |
| Ingestion:  | Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. |
| Inhalation: | In case of respiratory irritation; move person to fresh air . If person is not breathing; call 911 or an ambulance then give artificial respiration; preferably by mouth-to-mouth; if possible. Call a poison control center or doctor for further treatment advice.      |

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

**SECTION VI: REACTIVITY DATA**

|                                   |                     |                           |                  |
|-----------------------------------|---------------------|---------------------------|------------------|
| Stability:                        | Stable              | Incompatible Materials:   | Strong oxidizers |
| Hazardous Decomposition Products: | CO, CO <sub>2</sub> | Hazardous Polymerization: | Will Not Occur   |

**SECTION VII: SPILL OR LEAK PROCEDURES**

|  |   |
|--|---|
| 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 recovery or disposal.        |
| Waste Disposal Method:                                     | Same as above. Container disposal: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or if allowed by state and local authorities, burn. If burned, stay out of smoke. |

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

|                                  |  |
|----------------------------------|--|
| Respiratory Protection:          | Not normally required when good general ventilation is provided. However, if respiratory irritation occurs, use of a NIOSH approved respirator suitable for the use-conditions and chemicals in Section II should be considered. |
| Ventilation:                     | Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.  |
| Protective Gloves(Specify Type): | Rubber or other water-proof gloves are recommended.  |
| Eye Protection(Specify Type):    | Splash goggles are recommended to prevent eye contact.   |
| Other Protective Equipment:      | Eye wash stations and washing facilities should be readily accessible in areas where undiluted product is handled.. See 29 CFR 1910.132-138 for further guidance.  |

**SECTION IX: SPECIAL PRECAUTIONS**

|                                  |  |
|----------------------------------|--|
| Precautions: Handling & Storing: | Keep from freezing. Keep out of reach of children.   |
| Other Precautions:               | California Proposition 65:<br>WARNING: This product contains trace amounts of a chemical known to the State of California to cause cancer; birth defects or other reproductive harm. |

**GREEN SOLUTIONS NEUTRAL  
DISINFECTANT CLEANER**

Effective Date: 11/20/2003

Supercedes: 11/07/2002

Ref: 29 CFR 1910.1200 (OSHA)

Changes: Update Sections I, IV, V, VII, VIII & IX

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