



# Spartan Chemical Company, Inc.

## Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

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

**BIORENEWABLES GLASS CLEANER**

Product Number: 3835

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> 2 - Moderate<br><b>Fire:</b> 0 - Minimal<br><b>Reactivity:</b> 0 - Minimal | <b>Health:</b> 2 - Moderate<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> |                              |
| Alkyl polyglycoside             | 1-5   | 132778-08-6      | Not Established       | Not Established        | Not Established           | No                           |
| Cocoamidopropyl hydroxysultaine | 1-5   | 70851-08-0       | Not Established       | Not Established        | Not Established           | No                           |
| Fragrance                       | -     | -                | -                     | -                      | -                         | -                            |
|                                 | < 1.0 | Proprietary      | Not Established       | Not Established        | Not Established           | No                           |

### SECTION III: PHYSICAL DATA

|                                                    |                                                    |
|----------------------------------------------------|----------------------------------------------------|
| Boiling Point: 212 °F                              | Vapor Pressure: Unknown                            |
| Vapor Density (AIR = 1): Unknown                   | Solubility in Water: Complete                      |
| pH: 8.0-9.0                                        | Specific Gravity (H <sub>2</sub> O=1): 1.01 @ 75 F |
| Evaporation Rate (but.ace.=1): <1                  | Percent Solid by Weight: 5-10%                     |
| Physical State: Liquid                             |                                                    |
| Appearance & Odor: Blue liquid, pleasant fragrance |                                                    |

### SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

|                                                                                                                                                                  |                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Flash Point: >212 °F                                                                                                                                             | Method Used: Estimate |
| 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-<br>Conditions to Avoid: | <b>Causes eye irritation:</b> Symptoms may include pain, redness, swelling and tearing<br><b>May cause skin irritation:</b> Symptoms may include pain, redness and swelling.<br><b>May be harmful if swallowed:</b> Symptoms may include nausea, vomiting, pain and diarrhea.<br><b>Inhalation of product mist may cause respiratory irritation:</b> Symptoms may include coughing and difficulty breathing.<br><b>Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid breathing product mist.</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:       | Flush eyes with 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 unless advised by physician or poison control center. 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 oxidizers |
| Hazardous Decomposition Products: | Carbon monoxide, Carbon dioxide | Hazardous Polymerization: | Will Not Occur   |

**SECTION VII: SPILL OR LEAK PROCEDURES**

|                                                               |                                                                                                                                                                                                                                                          |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Steps to be Taken in Case<br>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:                                        | Assure conformance with federal, state and local regulations.                                                                                                                                                                                            |

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

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

**SECTION IX: SPECIAL PRECAUTIONS**

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| Precautions; Handling & Storing: | Wash thoroughly with soap and water after handling. |
| Other Precautions:               | Keep out of reach of children.                      |

|                                    |                 |                   |             |                             |
|------------------------------------|-----------------|-------------------|-------------|-----------------------------|
| © SCC 03/25/2008                   | Name:           | Ronald T. Cook    | Title:      | Manager, Regulatory Affairs |
| <b>BIORENEWABLES GLASS CLEANER</b> | Effective Date: | 03/25/2008        | Supercedes: | 09/08/2006                  |
| Ref: 29 CFR 1910.1200 (OSHA)       | Changes:        | Update Section II |             |                             |

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