



## Spartan Chemical Company, Inc. Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):  
**SD-20 ALL PURPOSE CLEANER (BULK)**  
Product Number: 0020

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: Non-Hazardous Products

| NFPA Ratings:                                                        | HMIS Ratings:                                                                                                |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Health: 2 - Moderate<br>Fire: 0 - Minimal<br>Reactivity: 0 - Minimal | Health: 2 - Moderate<br>Fire: 0 - Minimal<br>Reactivity: 0 - Minimal<br>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)             | %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> |                              |
| Alcohol ethoxylate           | 1-5 | 68991-48-0       | Not Established       | Not Established        | Not Established           | No                           |
| Alkyl polyglycoside          | 1-5 | 132778-08-6      | Not Established       | Not Established        | Not Established           | No                           |
| Ethoxylated alkyl quaternary | 1-5 | 61791-10-4       | 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: 11.0-11.5                               | Specific Gravity (H <sub>2</sub> O=1): 1.074 |
| Evaporation Rate (but.ace.=1): <1           | Percent Solid by Weight: 4-6                 |
| Physical State: Liquid                      |                                              |
| Appearance & Odor: Blue liquid, citrus odor |                                              |

### SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

|                                                                                                                                                                  |                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Flash Point: > 212°F                                                                                                                                             | Method Used: ASTM-D56 |
| Flammable Limits: N/A                                                                                                                                            | 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: Skin Contact, Eyes and Oral |  |
| Effects of Overexposure:                     | <b>Causes eye irritation:</b> Symptoms may include pain, redness, swelling and tearing                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                    |                                                      |  |
| Conditions to Avoid:                         | <b>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 nasal discomfort and coughing.<br><b>Avoid contact with eyes, skin or clothing. Do not taste or swallow. Avoid breathing product mist. Wash thoroughly after handling .</b> |                                                                                                                                                                    |                                                      |  |
| Conditions Aggravated by Use:                |                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Use of this product may aggravate preexisting skin; eye and respiratory disorders including asthma and dermatitis.                                                 |                                                      |  |
| <b>Emergency &amp; First Aid Procedures:</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                    |                                                      |  |
| Eyes:                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Flush eyes with water for at least 15 minutes. Remove contact lenses. Get medical attention.                                                                       |                                                      |  |
| Skin:                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Remove contaminated clothing. Flush skin with water for at least 15 minutes. 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.<br>Never give anything by mouth to an unconscious person.      |                                                      |  |
| Inhalation:                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                         | In case of respiratory irritation or dizziness; move person to fresh air. Get medical attention if irritation persists.                                            |                                                      |  |

**SECTION VI: REACTIVITY DATA**

|                                   |                                 |                           |                |
|-----------------------------------|---------------------------------|---------------------------|----------------|
| Stability:                        | Stable                          | Incompatible Materials:   | None known     |
| Hazardous Decomposition Products: | Carbon monoxide, Carbon dioxide | 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. 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**

|                                  |                                                                                                                                                                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Respiratory Protection:          | Not normally required when good general ventilation is provided. However if respiratory irritation occurs; the 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 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**

|                                  |                               |
|----------------------------------|-------------------------------|
| Precautions; Handling & Storing: | Keep out of reach of children |
| Other Precautions:               | Do not freeze                 |

|                                         |                 |                       |             |                             |
|-----------------------------------------|-----------------|-----------------------|-------------|-----------------------------|
| © SCC 06/08/2009                        | Name:           | Ronald T. Cook        | Title:      | Manager, Regulatory Affairs |
| <b>SD-20 ALL PURPOSE CLEANER (BULK)</b> | Effective Date: | 06/08/2009            | Supersedes: | 12/02/2005                  |
| Ref: 29 CFR 1910.1200 (OSHA)            | Changes:        | Update Sections I & V |             |                             |

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