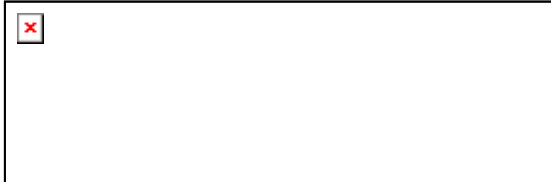


## Spartan Chemical Company, Inc. Material Safety Data Sheet



### SECTION I: PRODUCT INFORMATION SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):  
**GREEN SOLUTIONS ALL PURPOSE CLEANER**  
 Product Number: 3501  
 2-Liter Cartridge 101: 3511

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.
-----------------------	------------------------------------

<b>NFPA Ratings:</b>		<b>HMIS Ratings:</b>	
<b>Health:</b>	2 - Moderate	<b>Health:</b>	2 - Moderate
<b>Fire:</b>	0 - Minimal	<b>Fire:</b>	0 - Minimal

<b>Reactivity:</b> 0 - Minimal	<b>Reactivity:</b> 0 - Minimal
	<b>Pers. Prot. Equip.:</b> See Section VIII



### SECTION II: HAZARDOUS INGREDIENTS 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.

<ALIGN=LEFTChemical Name(s)	% W	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
Sodium carbonate	1-5	497-19-8	Not Established	Not Established	Not Established	No
Polyethylene glycol	1-5	9003-11-6	Not Established	Not Established	Not Established	No

propoxylated						
Citric Acid	1-5	77-92-9	Not Established	Not Established	Not Established	No
Alcohol ethoxylate	1-5	68439-46-3	Not Established	Not Established	Not Established	No

**SECTION III: PHYSICAL DATA SECTION III: PHYSICAL DATA**

Boiling Point:	212 °F	Vapor Pressure:	Unknown
Vapor Density (AIR = 1):	Unknown	Solubility in Water:	Complete
pH:	7.0-8.0	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:	Clear liquid, mild odor.
--------------------	--------------------------

**SECTION IV: FIRE & EXPLOSIVE HAZARD DATA 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 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><b>Causes eye irritation:</b> Symptoms may include pain, redness, swelling and tearing</p> <p><b>Causes skin irritation:</b> Symptoms may include pain, redness and swelling.</p> <p><b>May be harmful if swallowed:</b> Symptoms may include nausea, vomiting, pain and diarrhea.</p>
--	---

	<b>Inhalation of product mist may cause respiratory irritation:</b> Symptoms may include coughing and difficulty breathing. <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:	Preexisting skin; eye and respiratory disorders. May affect people with asthma.
-------------------------------	---

**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 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 SECTION VII: SPILL OR LEAK PROCEDURES**

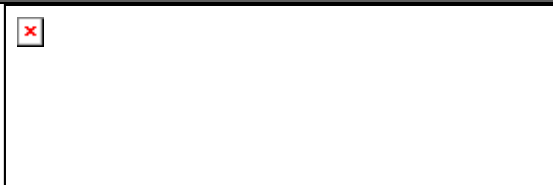
Steps to be Taken in Case Material is Released or Spilled:	Small spills of one gallon or less may be flushed with plenty of water to sanitary sewer system (If permitted by local sewer regulations). Dike and contain large spills with inert material and transfer liquid to containers for recovery or disposal.
--	--

Waste Disposal Method:	Same as above.
------------------------	----------------

**SECTION VIII: SPECIAL PROTECTION INFORMATION 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):	Impervious rubber or other waterproof gloves are recommended.
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 SECTION IX: SPECIAL PRECAUTIONS**

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

© SCC 06/30/2005 Name: Ronald T. Cook Title: Manager, Regulatory Affairs  
**GREEN SOLUTIONS ALL PURPOSE CLEANER**  
 Effective Date: 06/30/2005 Supercedes: 11/20/2003  
 Ref: 29 CFR 1910.1200 Changes: Update Section IX  
 (OSHA)

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond sellers control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State and Local laws and regulations.