#1362

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: Non-Hazardous Products

NFPA Ratings:	HMIS Ratings:
Health: 1- Slight Fire: 0 - Minimal Reactivity: 0 - Minimal	Health: 1- Slight Fire: 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)	%Wt	CAS Registry No.	Table Z-1-A TWA mg/m³	Table Z-1-A STEL mg/m³	Table Z-1-A CEILING mg/m³	NTP, IARC or OSHA Carcinogen
Alkyl polyglucoside	1-5	68515-73-1	Not Established	Not Established	Not Established	No
Cocoamidopropyl hydroxysultaine	1-5	70851-08-0	Not Established	Not Established	Not Established	No
Alkyl polyglucoside	1-5	110615-47-9	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:	Undiluted: 8.0-9.0 Diluted 1:64: 7.0-8.0	Specific Gravity (H_2O=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- Conditions to Avoid:	Causes eye irritation : Symptoms may include pain, redness, swelling and tearing May cause skin irritation : Symptoms may include pain, redness and swelling. May be harmful if swallowed : Symptoms may include nausea, vomiting, pain and diarrhea. Inhalation of product mist may cause respiratory irritation: Symptoms may include coughing and difficulty breathing. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid breathing product mist. Wash throughly after handling .
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 medial 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 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 handing 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.

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BIORENEWABLES GLASS CLEANER
Ref: 29 CFR 1910.1200 (OSHA)

Name: Ronald T. Cook
Effective Date: 10/23/2010
Changes: Formula Revision

Title: Manager, Regulatory Affairs
Supercedes: 03/25/2008

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