Spartan Chemical Company, Inc.
Material Safety Data Sheet

R. Janus Supply Co.
[810] 985-9757
614 Huron Ave.
Port Huron, MI 48060

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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/Spil Emergency: **CHEMTREC 1-(800) 424-9300 (24 hours)**

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

NFPA Ratings:		**HMIS Ratings:**	
Health:	2 - Moderate	**Health:**	2 - Moderate
Fire:	0 - Minimal	**Fire:**	0 - Minimal
Reactivity:	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)	% W	CAS Registry No.	Table Z- 1 - A			NTP, IARC or OSHA Carcinogen
			TWA mg/m^3	STEL mg/m ^{3}	CELING mg/m^3	
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_2O=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 Establis hed	Primary Routes of Entry:	Skin Contact, Eyes and Oral

Effects of Overexposure- Conditions to Avoid:	**Cau ses eye irritation:** Symptoms may include pain, redness, swelling and tearing **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. **Avoid contact with eyes, skin or clothing. Do not taste or swallow. Avoid breathing product mist. Wash thoroughly after handling.**
Conditions Aggravated by Use:	Use of this pro duct 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:	Re move contaminated clothing. Flush skin with water for at least 15 minutes. Get medical attention if irritation persists. Wash contaminated clothing before reuse
Ingestion:	Do n ot induce vomiting. Drink one or two glasses of water to dilute product. Get medical attention. Never give anything by mouth to an unconscious person.
Inhalation:	In case of respiratory irritat ion 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 mon oxide, 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 n ormally 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:	Pr ovide 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 reco mmended 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 n ot freeze

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Ref: 29 CFR 1910.1200 (OSHA) Changes: Revised formula

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