



MATERIAL SAFETY DATA SHEET

Supersedes: N/A

Issue Date: 8/01

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SECTION I - CHEMICAL PRODUCT

Identity: **Granular Cleaner**

Brands: **SPIC and SPAN All-Purpose Cleaner** (Powder) (non-phosphate & phosphate)

Hazard Rating: 1

Health: 1

4=EXTREME

Flammability: 0

3=HIGH

Reactivity: 0

2= MODERATE

1=SLIGHT

Emergency Telephone Number - 1-800-332-7787 or call Local Poison Control Center

SECTION II - COMPOSITION AND INGREDIENTS

Ingredients/Chemical Name: Anionic surfactants, water softeners (sodium carbonate or sodium tripolyphosphate [phosphate version]), processing aids (sodium sulfate), metal protection agents (sodium silicates), colorant and perfume

This mixture, when tested as a whole, is considered an eye irritant within the meaning of the OSHA Hazard Communication Standard

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Recommended Limits</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Sodium carbonate (non - phosphate version)	Soda Ash	497-19-8	N/A	10-30%	LD50=1.86 g/kg LC50=N/A
Linear alkyl benzene sulfonate	C12.3 LAS	68081-81-2	N/A	5-15%	LD50=0.65-1.26 g/kg LC50=N/A

SECTION III - HAZARDS IDENTIFICATION

Health Hazards (Acute and Chronic):

Ingestion: May cause transient gastrointestinal irritation

Eye Contact: May cause mild, transient irritation.

Skin Contact: May cause mild transient irritation.

Signs and Symptoms of Exposure:

Ingestion: May result in nausea, vomiting and/or diarrhea.

Eye Contact: May cause stinging, tearing, itching, swelling and/or redness

Skin: N/A

SECTION IV - FIRST AID INFORMATION	
Emergency and First Aid Procedures:	
Ingestion:	Drink 1 or 2 large glasses of water.
Eye Contact:	Flush with large amounts of water for at 10-15 minutes.
Skin:	Rinse skin thoroughly with water. Discontinue use.
<p>Other: Product package has a caution statement: CAUTION:. May cause eye/skin irritation. Eye irritant. Avoid eye contact. Contact may result in mild to moderate transient eye irritation unless rinsed immediately and thoroughly with water. If eye contact occurs, flush with water for 15 minutes. If irritation persists, seek medical attention. KEEP OUT OF REACH OF CHILDREN</p>	

SECTION V - FIRE FIGHTING INFORMATION		
Flash Point (Method Used): N/A	Explosive Limits: LEL: N/A	UEL: N/A
<p>Extinguishing Media: CO₂, water, or dry chemical</p>		
<p>Special Fire Fighting Procedures: None known.</p>		
<p>Unusual Fire Hazards: N/A</p>		

SECTION VI - ACCIDENTAL RELEASE MEASURES
<p>Personal Precautions: None</p>
<p>Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. Solutions may be disposed of in sewer. Dry product may be landfilled if permitted by local regulations. Discard empty container in trash.</p>
<p>Steps To Be Taken in Case Material is Released or Spilled: Dispose as dry scrap or flush small quantities down acceptable sewer (contains biodegradable surfactants). Dispose of according to local regulations. Prevent heavy exposure to dust with NIOSH approved dust mask.</p>

SECTION VII - HANDLING AND STORAGE
<p>Precautions To Be Taken in Handling and Storing: Store in a cool, dry place. Keep product dry to maintain free-flowing granules.</p>
<p>Other Precautions: None</p>

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION	
Respiratory Protection (Specify Type): None required with normal use.	
Ventilation	<i>Local Exhaust:</i> None required with normal use. <i>Special:</i> None
	<i>Mechanical (General):</i> Acceptable. <i>Other:</i> None
Eye Protection: None required with normal use.	
<i>Manufacturing Setting:</i> With dusty conditions or if a splash is likely, chemical goggles may be needed.	
Protective Gloves: None required with normal use.	
<i>Manufacturing Setting:</i> Protective gloves (rubber, neoprene) should be used for any prolonged direct contact.	
Other Protective Equipment: None required with normal use.	

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES	
Boiling Point °F: N/A	Specific Gravity (H₂O=1): N/A
Vapor Pressure (mm Hg): N/A	Percent Volatile by Volume (%): N/A
Vapor Density (Air=1): N/A	Evaporation Rate (nBuOAc=1): N/A
Odor Threshold: N/A	Freezing Point: N/A
Coefficient of Water/Oil Distribution: N/A	pH (1% solution): ~10.9
Scooped Density: 0.4/cc (bulk density)	Solubility in Water: Mostly
Appearance and Odor: Green powder with pine odor	Reserve Alkalinity: N/A

SECTION X - STABILITY AND REACTIVITY	
Possible Hazardous Reactions/Conditions: None known	
Conditions to Avoid: None	
Materials to Avoid: None known	
Hazardous Decomposition Products: None known	
Other Recommendations: None	
Stability:	Stable
Hazardous Polymerization:	Will not occur

SECTION XI - TOXICOLOGICAL INFORMATION
LD50 (rats oral): >3.8 g/kg

