

# Material Safety Data Sheet

May be used to comply with  
 OSHA's Hazard Communication Standard.  
 29 CFR 1910.1200. Standard must be  
 consulted for specific requirements.

# U.S. Department of Labor

Occupational Safety and Health Administration  
 (Non-Mandatory Form)  
 Form Approved  
 OMB No. 1218-0072

<b>H</b> HEALTH	1
	0
<b>F</b> FLAMMABILITY	0

<b>R</b> REACTIVITY	0
<b>P</b> PERSONAL PROTECTION <small>Style NC-1503R</small>	B

**IDENTITY (As Used on Label and List)**  
 Aluminum Safe Cleaner

*Note: Blank spaces are not permitted. If any item is not applicable, information is available, the space must be marked to indicate.*

## Section I

**Manufacturer's Name** NEEDELS JANITOR SUPPLY CO  
 a div of NEEDELS COMPANY INC  
**Address (Number, Street, City, State, and ZIP Code)**  
 444 WACOUTA ST  
 ST PAUL MN 55101

**Emergency Telephone Number**  
 (612) 227-8331  
**Telephone Number for Information**  
 (612) 227-8331  
**Date Prepared**  
 2/18/92  
**Signature of Preparer (optional)**

## Section II — Hazardous Ingredients/Identify Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Triethanolamine 85% CAS # NA	NE	NE		
Sulfoic Acid CAS # 27176-87-0	NE	NE		
Sodium Metasilicate Penta #26 CAS #6834-92-0	2mg/m <sup>3</sup> as NaOH, 2mg/m <sup>3</sup> as NaOH			
Trisodium Phosphate Crystal CAS #10101-89-0	NE	NE		
*Dowanol Glyco Ether E B CAS #111-76-2	25ppm	25ppm		5%
Nonylphenoxypolyethoxyethanol CAS #64-02-8	NE	NE		
Water CAS #7732-18-5	NE	NE		
Sodium Xylene Sulfonate Liquid CAS #1300-72-7	100ppm	150ppm		

\*ANRA 313 List of 40CFR 372

## Section III — Physical/Chemical Characteristics

<b>Boiling Point</b>	212 F	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	NK
<b>Vapor Pressure (mm Hg.)</b>	NK	<b>Melting Point</b>	NA
<b>Vapor Density (AIR = 1)</b>	NK	<b>Evaporation Rate (Butyl Acetate = 1)</b>	NK
<b>Solubility in Water</b>	Complete		
<b>Appearance and Odor</b>	Pale Blue Color, Pleasant Odor		

## Section IV — Fire and Explosion Hazard Data

<b>Flash Point (Method Used)</b>	greater than 210°F TCC	<b>Flammable Limits</b>	NA	<b>LEL</b>	<b>UEL</b>
<b>Extinguishing Media</b>	NA				
<b>Special Fire Fighting Procedures</b>	NA				
<b>Unusual Fire and Explosion Hazards</b>	NK				

**Section V — Reactivity Data**

Stability	Unstable		Conditions to Avoid NK
	Stable	X	

Incompatibility (Materials to Avoid) NK

Hazardous Decomposition or Byproducts NK

Hazardous Polymerization	May Occur		Conditions to Avoid NA
	Will Not Occur	X	

**Section VI — Health Hazard Data**

Route(s) of Entry: Inhalation? NO Skin? X Ingestion? X

Health Hazards (Acute and Chronic) Harmful if swallowed. Concentrate can burn eyes. Prolonged skin contact can cause removal of skin oils and skin chafing can develop.

Carcinogenicity: NTP? NO IARC Monographs? NO OSHA Regulated? NO

Signs and Symptoms of Exposure See health hazards

Medical Conditions Generally Aggravated by Exposure NK

Emergency and First Aid Procedures For eye contact, flush eyes with cool running water for at least 15 minutes. Get medical attention. If ingested, do not induce vomiting. Drink large amounts of water. Call a physician immediately. For skin contact, wash area with warm water. Remove and wash contaminated clothing before reuse.

**Section VII — Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled Spilled product may be mopped or vacuumed up. The area should be rinsed thoroughly.

Waste Disposal Method Sanitary landfill or in accordance with existing ordinances.

Precautions to Be Taken in Handling and Storing Normal care in handling and storage

Other Precautions Keep out of reach of children. Do not freeze

**Section VIII — Control Measures**

Respiratory Protection (Specify Type) NR

Ventilation	Local Exhaust	NA	Special	NR
	Mechanical (General)	Normal good ventilation sufficient		Other

Protective Gloves Suggested for hand work Eye Protection NR

Other Protective Clothing or Equipment Imperivous footwear

Work/Hygienic Practices Do not contaminate food or beverage with cleaning chemicals