

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

H HEALTH	1
F FLAMMABILITY	2
R REACTIVITY	6
P PERSONAL PROTECTION <small>Style NC-1503R</small>	B

IDENTITY (As Used on Label and List)
PINE-ALL DEODORANT CLEANER

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

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
2/19/92
Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Yarmor 302 Pine Oil CAS #8002-09-3	NE	NE		
Witcamide 5130 CAS #68604-35-3	NE	NE		
Diethanolamide CAS #111-42-2	NE	3mg/m ³		
*Dowanol Glyco Ether E B CAS #111-76-2	25ppm	25ppm		1%
Isopropanol 99% CAS #67-63-0	400ppm	400ppm		
Tetrasodium ethylenediaminetetraacetate CAS #64-02-8	NE	2mg/m ³		
Water CAS #7732-18-5	NE	NE		

*SARA 313 List of 40 CFR 372

Section III — Physical/Chemical Characteristics

Boiling Point	Approx 180 F	Specific Gravity (H₂O = 1)	Less than 1
Vapor Pressure (mm Hg.)	33	Melting Point	NA
Vapor Density (AIR = 1)	Greater than 1	Evaporation Rate (Butyl Acetate = 1)	Less than 1
Solubility in Water	Slight		
Appearance and Odor	Golden color, Pine scent		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	125°F TCC	Flammable Limits	NA	LEL	UEL
Extinguishing Media	Water fog, CO ₂ , Dry chemical, Foam				
Special Fire Fighting Procedures	Keep fire-exposed containers cool with water				
Unusual Fire and Explosion Hazards	NK				

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid NK
	Stable	X	

Incompatibility (Materials to Avoid) Avoid strong acids, strong oxidizing agents

Hazardous Decomposition or Byproducts

Burning may produce carbon monoxide and/or carbon dioxide

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

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? Skin? Ingestion?

Health Hazards (Acute and Chronic)

Harmful if swallowed. Concentrate causes burns to eye. Prolonged skin contact can remove skin oils and 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 ingestion, do not induce vomiting. Drink large amounts of water, get medical attention.
For eye contact, flush eyes with running water for at least 15 minutes, get medical attention
For skin contact, wash area with soap and warm water. Wash all contaminated clothing before reuse.

Section VII — Precautions for Safe Handling and Use**Steps to Be Taken in Case Material is Released or Spilled**

Extinguish all sources of ignition.

Spills may be vacuumed or mopped up for salvage or disposal.

Rinse area thoroughly

Waste Disposal Method

Sanitary landfill or in accordance with existing ordinances.

Precautions to Be Taken in Handling and Storing

Normal care in handling. Store away from sources of ignition.

Other Precautions

Keep out of reach of children. Do not freeze

Section VIII — Control Measures**Respiratory Protection (Specify Type)**

Cartridge respirator mask if using high concentrations

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

Protective Gloves

Solvent resistant rubber gloves

Eye Protection

Approved safety goggles/glasses

Other Protective Clothing or Equipment

Eye wash.

Work/Hygienic Practices

Do not contaminate food or beverage with cleaning chemicals