

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 | 1 |
| HEALTH | |
| F | 0 |
| FLAMMABILITY | |

IDENTITY (As Used on Label and List)
 BULLDOG COMMERCIAL CLEAN UP

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

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)

| | |
|---------------------|--------------------------|
| R | 0 |
| REACTIVITY | |
| PERSONAL PROTECTION | <input type="checkbox"/> |
| Style NC-L503R | |

Section II — Hazardous Ingredients/Identity Information

| Hazardous Components (Specific Chemical Identity; Common Name(s)) | OSHA PEL | ACGIH TLV | Other Limits Recommended | % (optional) |
|---|----------|--------------------|--------------------------|--------------|
| Diethanolamine CAS #111-42-2 | 3ppm | 3ppm | | |
| Nonylphenoxyethoxyethanol CAS #68412-54-4 | NE | NE | | |
| Ethyl Alcohol CAS #64-17-5 | 1000ppm | 1000ppm | | |
| Tetrasodium ethylenediaminetetraacetate CAS #64-02-8 | NE | 2mg/m ³ | | |
| Sodium Chloride CAS #7647-14-5 | NA | NA | | |
| Sulfonic ACid CAS #27176-87-0 | NA | NA | | |
| Water CAS #7732-18-5 | NE | NE | | |

Section III — Physical/Chemical Characteristics

| | | | |
|-------------------------|-----------------------------|---|----------------|
| Boiling Point | 212 F | Specific Gravity (H ₂ O = 1) | greater than 1 |
| Vapor Pressure (mm Hg.) | ND | Melting Point | NA |
| Vapor Density (AIR = 1) | Greater than 1 | Evaporation Rate (Butyl Acetate = 1) | NK |
| Solubility in Water | Complete | | |
| Appearance and Odor | Straw color liquid, No odor | | |

Section IV — Fire and Explosion Hazard Data

| | | | | | |
|------------------------------------|------|------------------|----|-----|-----|
| Flash Point (Method Used) | None | Flammable Limits | NA | LEL | UEL |
| Extinguishing Media | NA | | | | |
| Special Fire Fighting Procedures | NA | | | | |
| Unusual Fire and Explosion Hazards | 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? NO Ingestion? X

Health Hazards (Acute and Chronic) Direct contact with eyes will be painful

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 If ingested, do not induce vomiting. Drink large amounts of water. Call a physician. For eye contact, Flush with cool running water for at least 15 minutes. Get medical attention.

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.
 Rinse area thoroughly

Waste Disposal Method Sanitary landfill of 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 | | NR |

Protective Gloves NR Eye Protection NR

Other Protective Clothing or Equipment NR

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