

|                          |          |
|--------------------------|----------|
| <b>H</b><br>HEALTH       | <b>1</b> |
| <b>F</b><br>FLAMMABILITY | <b>0</b> |

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

**MATERIAL SAFETY DATA SHEET**  
(COMPLIES WITH 29CFR 1910.1200)

|   |                          |
|---|--------------------------|
| IDENTITY (As Used on Label and List)<br>Super 21 Floor Finish | DATE PREPARED<br>8/13/90 |
|---|--------------------------|

**SECTION I**

|  |  |
|--|--|
| MANUFACTURE'S NAME<br>Needels Janitor Supply Company   | EMERGENCY TELEPHONE NUMBER<br>612-227-8331       |
| ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE)<br>444 Wacouta Street<br>St. Paul, MN 55101 | TELEPHONE NUMBER FOR INFORMATION<br>612-227-8331 |

**SECTION II - Hazardous Ingredients/Identity Information**

| HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S)) | OSHA PEL | ACGIH TLV | RECOMMENDED | % (OPTIONAL) |
|---|----------|-----------|-------------|--------------|
| Emulsified acrylic polymer (proprietary)                          | NE       | NE        | •NK         | 3-7          |
| Emulsified carboxylated acrylic co-polymer (proprietary)          | NE       | NE        | •NK         | 5-15         |
| Emulsified acrylic co-polymer (proprietary)                       | NE       | NE        | •NK         | <5           |
| Emulsified polyethylene wax (proprietary)                         | NE       | NE        | •NK         | <5           |
| Emulsified wax (proprietary)                                      | NE       | NE        | •NK         | <5           |
| Diethylene glycol monoethyl ether CAS #111-90-0                   | NE       | NE        | •NK         | 3-7          |
| Tri (butoxyethyl) phosphate CAS #78-51-3                          | NE       | NE        | •NK         | 1-4          |
| Water CAS #7732-18-5  | NE       | NE        | •NK         | 60-80        |

**SECTION III - Physical/Chemical Characteristics**

|                          |               |                                       |  |
|--------------------------|---------------|---------------------------------------|--|
| BOILING POINT:           | Approx. 212°F | SPECIFIC GRAVITY (H2O) = 1:           | 1.032                                  |
| VAPOR DENSITY (AIR = 1): | > 1           | EVAPORATION RATE (BUTYL ACETATE = 1): | ND                                     |
| SOLUBILITY IN WATER:     | Complete      | MELTING POINT:                        | NA                                     |
| VAPOR PRESSURE (MM HG.): | ND            | APPEARANCE AND ODOR:                  | Milky white liquid, mild acrylic odor. |

**SECTION IV - Fire and Explosion Hazard Data**

|                            |   |                   |    |     |     |
|----------------------------|---|-------------------|----|-----|-----|
| FLASH POINT (METHOD USED): | None  | FLAMMABLE LIMITS: | NA | LEL | UEL |
| EXTINGUISHING MEDIA        | WATER? X    FOAM? X    WATER FOG? X    ALCOHOL FOAM?    CO2? X    DRY CHEMICAL? X<br>VAPORIZING LIQUID? X    OTHER? See Below |                   |    |     |     |

**SPECIAL FIRE FIGHTING PROCEDURES**

Non-Flammable in liquid state. Material can splatter above 100°C/212°F. Polymer film can burn. Persons exposed to combustion products should wear self contained breathing apparatus and full protective equipment.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

There is the possibility of pressure build-up in closed containers when heated. Water spray may be used to cool the containers.

**SECTION V - Reactivity Data**

|   |  |                      |              |
|---|--|----------------------|--------------|
| STABILITY:                              | UNSTABLE:  | CONDITIONS TO AVOID: | Extreme Heat |
|   | STABLE: X  |                      |              |
| INCOMPATIBILITY (MATERIALS TO AVOID):   | Strong oxidizers                                   |                      |              |
| HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: | Oxides of carbon, phosphorus, toxic monomer fumes. |                      |              |
| HAZARDOUS POLYMERIZATION                |  |                      |              |
| MAY OCCUR:                              | CONDITIONS TO AVOID:                               | NK                   |              |
| WILL NOT OCCUR:                         | X  |                      |              |

## SECTION VI - Health Hazard Data

|   |             |    |                  |    |                 |    |
|---|-------------|----|------------------|----|-----------------|----|
| ROUTE(S) OF ENTRY:  | INHALATION? | No | SKIN?            | No | INGESTION?      | No |
| HEALTH HAZARDS (ACUTE AND CHRONIC)  |             |    |                  |    |                 |    |
| Inhalation: may irritate nose, throat and respiratory tract and may cause nausea. Skin Contact: irritating to skin upon repeated or prolonged contact. Eye Contact: direct contact with product may cause eye irritation.   |             |    |                  |    |                 |    |
| 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 eye contact occurs, flush eye thoroughly with running water for 15 minutes. If irritation persists, see a physician. If skin contact occurs, wash area thoroughly with soap and water. Remove contaminated clothing. If ingested do not induce vomiting. Dilute by giving two glasses of water to drink. See a physician. Never give anything by mouth to an unconscious person. |             |    |                  |    |                 |    |

## SECTION VII - Precautions for Safe Handling and Use

|  |  |
|--|--|
| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  |  |
| Dike and contain spill with inert material (sand, earth, etc.). Collect spill with absorbant material or vacuum up immediately. Keep spills and cleaning runoff out of municipal sewers. Floors may be slippery. The area should then be rinsed. |  |
| WASTE DISPOSAL METHOD  |  |
| Solution may contain zinc. Coagulate with ferric chloride or sulfate and then lime. Decant the clear liquid to a sewer. Dispose of the coagulum by sanitary landfill or incinerator. Follow all existing pollution control ordinances.           |  |
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING  |  |
| Storage temperature; Minimum 40°F, Maximum 100°F.  |  |
| OTHER PRECAUTIONS  |  |
| Keep out of reach of children. Keep from freezing.   |  |

## SECTION VIII - Control Measures

|  |                      |                                     |            |
|--|----------------------|-------------------------------------|------------|
| RESPIRATORY PROTECTION (SPECIFY TYPES) |                      |                                     |            |
| NR                                     |                      |                                     |            |
| VENTILATION:                           | LOCAL EXHAUST        | NA                                  | SPECIAL NR |
|  | MECHANICAL (GENERAL) | Normal good ventilation sufficient. | OTHER NR   |
| PROTECTIVE GLOVES                      |                      | EYE PROTECTION                      |            |
| Natural rubber or synthetic.           |                      | Approved safety goggles or glasses. |            |
| OTHER PROTECTIVE CLOTHING OR EQUIPMENT |                      |                                     |            |
| NR                                     |                      |                                     |            |
| WORK/HYGIENIC PRACTICES                |                      |                                     |            |
| Wash hands after use.                  |                      |                                     |            |

HA - Not Applicable, NE - Not Established, NK - Not Known, ND - Not Determined, NR - Not Required

### NFPA SYSTEM

- 1 A. Health Hazard: 4-DANGER May be fatal on short exposure. Specialized protective equipment required; 3-WARNING Corrosive or toxic. Avoid skin contact or inhalation; 2-WARNING May be harmful if inhaled or absorbed; 1-CAUTION May cause irritation; 0 No unusual hazard. \*Health hazard describes short term contact or inhalation hazard only.
- 0 B. Fire Hazard: 4-DANGER Flammable gas or extremely flammable liquid; 3-WARNING Flammable liquid Flash point below 100°F; 2-CAUTION Combustible liquid Flash point of 100°F to 200°F; 1-COMBUSTIBLE if heated; 0 NOT COMBUSTIBLE.
- 0 C. Reactivity Hazard: 4-DANGER Explosive material at room temperature; 3-DANGER May be explosive if shocked, heated under confinement, or mixed with water; 2-WARNING Unstable, or may react if mixed with water; 1-CAUTION May react if heated, or mixed with water; 0 STABLE. Not reactive when mixed with water.

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