

**1. Identification:****Recommended Use:** Water-borne Degreaser**Producer / Distributor**

Needels Supply

444 Wacouta Street

St. Paul, MN 55101

**Telephone Number for Information:** 651-227-8331**Emergency Telephone Number:** 651-227-8331**2. Hazard Identification:****Classification:****Health Class**

Mild Skin Irritation Category 3

Eye Irritant Category 2

Specific Target Organ Toxicity - Repeated Exposure Category 2

**Physical Class Environment Class****Label****Symbols****Signal Word: Warning****Hazard Statements:**

Causes mild skin irritation.

Causes eye irritation.

May cause damage to central nervous system, liver, and/or kidneys through prolonged or repeated exposure.

**Precautionary Statements:**

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash hands thoroughly after handling.

If skin irritation occurs: Get medical attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical attention.

Get medical attention if you feel unwell.

Dispose of contents in accordance with local regulations.

**3. Composition/Information on Ingredients**

<b>Ingredient</b>	<b>CAS Number</b>	<b>Percent by Weight</b>
Potassium Hydroxide	1310-58-3	12
Sodium Tripolyphosphate	7758-29-4	3 - 7
Dowanol Glyco Ether E B	111-76-2	1 - 5
Sara 313 list of 40	CFR 372	1 - 5
Nonylphenol Polyethylen e Glycol Ether	127087-87-0	
Sodium Methyl Naphthalene Sulfonate	NA	
Tetrasodiummethylenediaminetetraacetate	64-02-8	60 - 100
Water	7732-18-5	

**4. First-Aid Measures:****Ingestion:** If Swallowed: Do not induce vomiting. Drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person.**Eye Contact:** Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention.**Skin Contact:** Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse.**Inhalation:** Move to fresh air.**5. Fire Fighting Measures:****Suitable Extinguishing Media:** Foam, Water Fog, CO2, Dry Chemical**Special Fire Fighting Procedures:** Not Applicable**Unusual Fire and Explosion Hazards:** Not Applicable**6. Accidental Release Measures:**

Dike and contain spill with inert material (sand, earth, etc.). Collect spill with a mop, absorbent material (example: floor-dry) or vacuum.

Thoroughly rinse affected area with water.

**7. Handling and Storage:**

**Handling:** Keep from freezing. Keep out of reach of children.

**Storage:** Maintain Temperature Minimum 40°F (4°C) - Maximum 110°F (43°C)

**8. Exposure Controls / Personal Protection:****Exposure limits:**

Ingredients	CAS Number	Osha PEL	ACGIH TLV
Potassium Hydroxide	1310-58-3	XXX	2mg/m3
Dowanol Glyco Ether E B	111-76-2	25ppm	25ppm
Tetrasodium ethylenediaminetetraacetate	64-02-8	XXX	2mg/m3

**Exposure Controls:**

**Engineering Controls:** Normal good ventilation is sufficient

**Personal Protection Equipment:**

**Eye Protection:** Approved Safety Goggles or Glasses

**Skin Protection:** Chemical Resistant Rubber Gloves

**Respiratory Protection:** Not required, Avoid breathing spray mist

**9. Physical and Chemical Properties:**

**Physical State:** Liquid

**Appearance:** Red/Purple Color

**Odor:** Ether like odor

**Solubility:** Complete

**Evaporation Rate:** Essentially same as water

**Vapor Pressure (MM HG):** Essentially same as water

**Vapor Density (Air = 1):** > 1

**pH:** 13.4-13.8

**Specific Gravity (H2O = 1):** 1.042

**Flammability:** Autoignition

**Flash Point:** > 200 Deg. F (93 Deg. C)

**Boiling Point:** > 212° F (100°C)

**%volatile:** N/A

**10. Stability and Reactivity:**

**Chemical Stability:** Stable

**Possibility of Hazardous Reactions:** None are known, do not mix with other chemicals

**Incompatibility (Materials to Avoid):** Do not mix with acidic compounds or other oxidizers

**Hazardous Decomposition or By-products:** CO, CO2, NOX, (very small amounts) when residue is incinerated

**Hazardous Polymerization:** Will not Occur

**Conditions to Avoid:** Keep from freezing

**11. Toxicological Information:**

**Signs and Symptoms of Overexposure:** Causes irritation on contact

**Eye Contact:** Causes irritation on contact

**Skin Contact:** Causes mild irritation on prolonged or repeated contact

**Inhalation:** None Known

**Ingestion:** May be harmful if swallowed

**Target Organ Effects:** Central nervous system, Liver, Kidneys

**Chronic Effects:** May cause damage to central nervous system, liver, and/or kidneys through prolonged or repeated exposure.

**Acute Toxicity Values:**

**Oral LD =** > 5000 mg/kg

**Dermal LD =** > 5000 mg/kg

**Inhalation (Vapor) LC 5 0 =** Vapors Considered Non

**12. Ecological Information:**

**Persistence and Degradability:** Not Available

**Bio Accumulative Potential:** Not Available

**Mobility in Soil:** Not Available

**Aquatic Toxicity:** Not Available

**13. Disposal Considerations:**

Follow all existing pollution control ordinances.

**14. Transportation Information:**

**UN Number:** None

**Shipping Name:** Floor Degreasing solution

**Transport Hazard Class:** 8 Corrosive Material

**Packing Group:** None

**Marine Pollutant:** NO

**15. Regulatory Information:**

**TSCA Status:** All ingredients listed

**Clean Water Act:** None of the chemicals in this product are listed under the CWA

**Clean Air Act:** Glycol Ethers (Diethylene Glycol Monoethyl Ether(111-76-2)) is listed as a hazardous air pollutant (HAP)

**CERCLA Reportable Quantity:** None

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**Section 302 Extremely Hazardous Chemicals:** None Listed

**Section 311 / 312 Hazard Category:** Immediate Health

**Section 313 Toxic Chemicals:** Glycol Ether EB (111-76-2), Potassium Hydroxide (1310-58-3), Sodium Tripolyphosphate (7758-29-4), Tetrasodiummethylenediaminetetraacetate (64-02-8)

**State Regulations:** None

**International Regulations:** WHMIS Controlled Product Hazard Class: D2B

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**16. Other Information:**

**Prepared By:** Andrew Putz

**Telephone Number:** 651-227-8331

**Revision Date:** 12/1/2014

**Supersedes:** 6/12/2012

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