

**HILLSBORO ELEMENTARY SCHOOLS**315 S.E. 6th Ave.  
HILLSBORO, OR 97122**MATERIAL SAFETY DATA SHEET**

OT 0064

**SECTION I — PRODUCT IDENTIFICATION**

Product Name: Ten and Forty Safety Detergent		Product Code: 3850-01	
Chemical or Common Name: Not Applicable	Date Issued: 11-01-85	Supersedes: All Previous MSDS	Prepared by: Roy Paulsen

**SECTION II — INGREDIENT INFORMATION**

	Weight %	Exposure Limit
Detergents and Surfactants	5-10	
Mixed Industrial Alkalies	1-3	
Water	Balance	

**SECTION III — PHYSICAL DATA**

Appearance/Odor: Turbid Beige Liquid. Ammonia Odor.	Specific Gravity (H <sub>2</sub> O = 1): 1.0048
Vapor Pressure (mm Hg.): ND	Percent Volatile by Volume (%): 90
Solubility in Water: Complete	Vapor Density (Air = 1): Water
Freezing Point (°F): ND	Boiling Point (°F): 212
pH: 10.5 - 10.9	Evaporation Rate (Butyl Acetate = 1) Less than B.A.

**SECTION IV — FIRE AND EXPLOSION INFORMATION**

Flash Point (°F) (Method Used): NA	Flammable Limits NA
Extinguishing Media <input checked="" type="checkbox"/> Foam <input checked="" type="checkbox"/> CO <sub>2</sub> <input checked="" type="checkbox"/> Dry Chemical <input checked="" type="checkbox"/> Water Fog <input checked="" type="checkbox"/> Other	
Special Fire Fighting Procedures: Routine fire fighting procedures may be used. Cool and use caution when approaching or handling fire exposed containers.	
Unusual Fire and Explosion Hazards: Container may burst or melt in heat of fire.	

## SECTION V — HEALTH HAZARD DATA

**PRIMARY ROUTES OF ENTRY:** Eye Contact ☒ Skin Contact ☒ Ingestion ☒ Inhalation ☒

**SIGNS AND SYMPTOMS** Direct contact of product with eyes or skin can cause irritation. Ingestion of product can cause gastrointestinal distress - pain, nausea, vomiting and/or corrosive damage. Inhalation of vapor or mist can cause headache, nausea, and irritation of the nose, throat, and lungs.

### FIRST AID PROCEDURES

**Inhalation** - Remove to fresh air immediately. Obtain medical attention if breathing difficulty persists.  
**Eye Contact** - Flush with clean, lukewarm, low pressure water for 15 minutes. If pain, irritation, or redness persists, obtain medical attention.  
**Skin Contact** - Remove contaminated clothing as needed. Wash skin thoroughly with mild soap/water. Flush skin with lukewarm water for 15 minutes. Launder clothing before reuse.  
**Ingestion** - If victim is conscious, give 8 to 10 ounces of water or milk. **IMMEDIATELY** call a physician or Poison Control Center.

## SECTION VI — REACTIVITY DATA

Stability	Unstable		Conditions to Avoid
	Stable	X	Do not mix with other chemicals. Do not expose to heat or freezing temperatures.
<b>Reactivity (Hazardous to Avoid)</b> Sodium and Calcium Hypochlorites			
<b>Hazardous Decomposition Products</b> Possible sulfur, nitrogen, and phosphorus oxides.			
Hazardous	May Occur		Conditions to Avoid
Polymerization	Will Not Occur	X	Do not mix with other chemicals. Do not expose to heat or freezing temperatures.

## SECTION VII — SPILL OR LEAK PROCEDURES

### Steps to be Taken in Case Material is Released or Spilled

Floors may be slippery; care should be exercised to avoid falls. Keep unnecessary people away. Ventilate. Dike and contain large spills with inert materials and transfer liquid to containers for recovery or disposal. Rinse affected area thoroughly with water. Use protective gear. May flush with water.

### Waste Disposal Information

Dispose in accordance with current local, state, and federal regulations. Biodegradable. May be able to flush into sewer with water.

## SECTION VIII — SPECIAL PROTECTION INFORMATION

**Respiratory Protection** (Specify type): NSR under normal use conditions with good ventilation. Otherwise, approved MSHA/NIOSH respirator where vapor concentrations are encountered as in high temperatures or misting.

**Ventilation:** General room ventilation is normally adequate.

**Protective Gloves:** Rubber, PVC, or other impervious materials.

**Eye Protection:** Avoid splashing. Use splash-proof safety goggles if potential for splash exists.

**Other Protective Measures:** Use good personal hygiene practices. Impermeable aprons, safety shower, and eyewash should be available.

## SECTION IX — SPECIAL PRECAUTIONS

**Precautionary Labeling** Do not mix with other chemicals.  
Do not take internally. For industrial use only.  
Avoid skin and eye contact.  
Use in well-ventilated area.  
**HARMFUL IF SWALLOWED:** Contains soap, pine oil, and alkalies. If ingested, drink plenty of water or milk. CALL YOUR PHYSICIAN OR POISON CONTROL CENTER.

**Other Handling and Storage Conditions** Protect from physical damage. Keep containers closed. Use good industrial hygiene and good housekeeping techniques. Wash thoroughly after handling. Store in cool, dry location with adequate ventilation. Keep from freezing. Keep away from food products and food handling areas. Dispose of empty containers - product residue may remain in/on empty containers.

KEEP OUT OF REACH OF CHILDREN.

## SECTION X — ADDITIONAL INFORMATION

For information on appropriate emergency procedures phone:

Paulsen & Roles Laboratories (503) 282-3289.

NA-Not Applicable, NSR-No Special Requirements, ND-Not Determined for this product

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