# MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communications Standard 29 CFR 1910.1200

**Product Desc:** N.C.C.E. Pot & Pan Detergent
**Product Code** 55-0410-00, 55-0420-00 HMIS codes H F R P
1 1 0 X (See Section VIII)

## Section I: Manufacturer Information

**Name:** N.C. Dept. of Correction, Janitorial Products Plant
**Mailing Address:** 231 Soul City Boulevard
**City/State/ Zip**: Norlina, North Carolina 27563
**Telephone:** **For Information-** (252) 456-1168
**For Emergency -** CHEMTREC - 1-800-424-9300
**Date Prepared:** September 1994 **Date Revised:** December 10, 2007
**Contact For Technical Information:** Plant Manager
**Telephone:** (252) 456-1168 **Fax:** (252) 456-2907

## Section II: Composition/Information on ingredients and exposure guidelines

| COMPONENTS (Chemical Name and Synonyms) | CAS NO. | TYPICAL % BY WEIGHT | OSHA PEL | ACGIH TLV |
|---|---|---|---|---|
| Neutral Detergent | Trade Secret | 18 - 23 | NE | NE |
| *1:1 Cocamide Diethanaolamine | 68603-42-9 | 1 - 3 | NE | NE |
| *Diethanolamine | 111-42-2 | <1 | 3ppm TWA | 0.46ppm TWA (Skin) |
| *Sodium Lauryl Ether Sulfate | 9004-82-4 | 1 - 3 | NE | NE |
| Lemon Fragrance | Trade Secret | < 1 | NE | NE |
| Water | 7732-18-5 | 81 - 83 | NE | NE |

*These substances are hazardous chemicals as defined by the hazard communication standard (29 CFR 1910.1200) NE: Not Established

## Section III: Hazards Identifications

### EMERGENCY OVERVIEW

A viscous, golden liquid with a lemon scent. May cause irritation upon direct contact and mild skin irritation during prolonged or repeated contact. Inhalation of vapor or mist may cause irritation of respiratory system. Product is extremely slippery if spilled. For large spills, emergency responders should wear impervious coveralls, boots, gloves, and goggles, and keep material out of waterways and storm sewers. Absorb spill with inert material or transfer to a suitable container for reuse or disposal. See section 3, 6, and 10.

**Potential Health Effects and Primary Routes of Entry:**

**Inhalation:** Breathing vapors or mists of this product may cause irritation of the respiratory system.

**Skin:** Skin contact may cause irritation. Prolonged or repeated skin contact may cause irritation or dermatitis. Skin contact may also cause sensitization and an allergic reaction in a small proportion of individuals.

**Eyes:** Eye contact may cause irritation.

**Ingestion:** May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

**Chronic Effects/ Carcinogenicity:** No known chronic health effects. None of the components in this product at **concentrations** of 0.1% or greater are listed by the NTP, IARC or OSHA as carcinogens.

## Section IV: First Aid

**Eyes:** Immediately flush eyes with water for at least 20 minutes and seek immediate medical attention. Eyelids should be held away from the eyeballs to ensure thorough rinsing.

**Skin:** Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Seek medical attention if irritation develops and persists. Launder clothing before reuse.

**Inhalation**: Move victim to fresh air, administer artificial respiration if not breathing. Give oxygen if breathing is difficult. Trained person should give oxygen if breathing is difficult. Get medical attention.

**Ingestion:** If swallowed, call a physician immediately. DO NOT induce vomiting, unless directed to do so by a physician. Give person plenty of water to drink. If possible, do not leave person unattended. Never give anything by mouth to an unconscious person.

**Medical Conditions Generally Aggravated By Exposure:** None known.

## Section V: Fire and Explosion Data

**Flash Point:** > 200° F. Non-combustible

**Flammable Limits:** Not determined

**Extinguishing Media:** If this product is involved in a fire, use an extinguishing media that is appropriate for combustibles in the area such as water spray, dry chemical,

alcohol foam, or carbon dioxide. Keep containers cool with water spray to prevent container rupturing due to steam pressure and to prevent thermal decomposition.
**Fire and Explosion Hazards**: During a fire, the product may decompose and can emit carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxides, and various hydrocarbons.
**Fire-Fighting Equipment:** Exposed firefighters should wear NIOSH approved self-contained breathing apparatuses under positive pressure and chemical-resistant protective equipment. Refer to section 8 for further information.

## Section VI: Accidental Release Measures

Cleanup personnel should wear appropriate equipment (See Section 8). Floor may be slippery, use care to avoid falling. Stop and control leak. Small spills can be diluted with plenty of water and mopped up or absorbed with an inert absorbent material. Mop spill area several times with water. Untrained persons and those not wearing proper protective equipment should be excluded from the spill area until cleanup is complete. Trained cleanup personnel should wear chemical splash goggles and a face shield, rubber boots, rubber gloves, and impervious clothing. Respiratory protection could be required for controlling large spills in confined or poorly ventilated areas. Stop and control leak and keep material out of sewers and watercourses by diking or impounding with sand or absorbent materials. To avoid foaming problems, do not use water to flush away spills. All cleanup residues should be collected in a non-metallic labeled container for disposal (See Section 13).

Contact CHEMTREC (800-424-9300) for technical advice and assistance relating to chemical emergencies involving this product.

## Section VII: Handling and Storage

**Handling:** Do not get in eyes, on skin, or on clothing. Avoid breathing mist or vapor. Use with adequate ventilation. Do not taste or swallow. Wash thoroughly after handling. Remove contaminated clothing and launder before reuse. Do not mix with any other chemical or cleaning agent.
**Storage:** Keep containers in well ventilated area and closed when not in use. Keep away from heat and flame. Keep product in original container. For institutional use only. Keep this and all chemicals out of reach of children. Do not store above 100° F or in direct sunlight.

## Section VIII: Exposure Control/Personal Protection

**Respiratory Protection:** Not normally required in well-ventilated area**.** Use NIOSH approved air-purifying respirator with an organic vapor cartridge if there is a reasonable possibility for harmful exposure to vapors or mists. Protection by air purifying respirators is limited. Use NIOSH approved self-contained apparatus made for emergencies or entry into unknown concentrations or immediately dangerous to life or health conditions. All

personal respiratory protection equipment should be used in accordance with OSHA 29 CFR 1910.134.
**Ventilation:** Provide sufficient mechanical (general and/or local exhaust ventilation) to maintain vapor mist concentrations below exposure limits.
**Protective Gloves**: Use chemical-resistant rubber gloves to prevent skin contact.
**Eye Protection:** Avoid eye contact. Chemical splash goggles are recommended for clean up or whenever eye contact may occur. Provide an ANSI-approved eye wash station in the work area.
**Other Protective Clothing or Equipment:** Use chemical-resistant apron or other impervious clothing, and rubber boots if necessary, to avoid contaminating regular clothing and shoes and to prevent skin contact.

## Section IX: Physical/Chemical Properties

**APPEARANCE:** Viscous golden liquid
**ODOR:** Lemon scented odor
**BOILING RANGE:** Greater than 212° F at normal pressure
**VAPOR PRESSURE:** Undetermined
**SPECIFIC GRAVITY:** 1.03 – 1.05
**VAPOR DENSITY (Air = 1):** > 1
**pH:** 8 to 9.5
**PERCENT VOLATILE BY VOLUME:** Undetermined
**MELTING POINT:** Undetermined
**EVAPORATION RATE:** Slower than butyl acetate
**VISCOSITY:** 100 – 500 cps
**SOLUBILITY IN WATER:** completely soluble

## Section X: Reactivity Information

**Stability:** Product is stable. Avoid elevated temperatures.
**Incompatibility:** Incompatible with strong oxidizing agents.
**Hazardous Reaction/Decomposition or by Product:** When heated to decomposition, may emit carbon monoxide, carbon dioxide, nitrogen oxides, sulfur dioxides, and various hydrocarbons.
**Hazardous Polymerization**: Will not occur.

## Section XI: Toxicological Information

Significant ingredients used in this product have the following toxicological data:

**ANIMAL DATA: Sodium Lauryl Ether Sulfate**

**Contact:** Skin-Rabbit, adult 25 mg/24H - moderate irritation effects
Skin-Guinea Pig, adult 5%/9H immersed intermittently - Irritation effects
**Ingestion:** Oral-Rat LD50: 1,600 mg/kg

**1:1 Cocamide Diethanolamine**

**Ingestion:** Oral-Rat LD50: 1.2 g/kg
**Inhalation:** Inhalation Toxicity: Irritant (rabbit)
**Contact:** Ocular Irritation Studies: Severe (rabbit)

**HUMAN DATA**
None known for ingredients present above 1 % or greater in mixture.

## Section XII: Ecological Information

**Ecotoxicological information:** Not available for product. Product may be dangerous if it enters water intakes. Will cause frothing and foaming when discharged into surface water. Keep product out of water intakes and storm sewer systems.

**Chemical Fate Information:** Not available for product.

## Section XIII: Disposal Consideration

**Waste Disposal:** Unused product is not expected to be a hazardous waste under RCRA. Used material may be subject to regulation depending on the contaminates added during use. Any disposal must be in accordance with federal, state, and local regulations. Do not discharge product to storm sewers or waterways. Dilute (used) detergent solutions may typically be discharged to local wastewater treatment facilities. As with any wastewater, consultation with local treatment plant staff is recommended before disposal. Concentrated product should be recovered for reuse.

## Section XIV: Transport Information

**DOT Proper Shipping Description:** None
**Dot Hazard Class / Division Label:** None
**Shipping Containers:** 1 - Gallon Bottles, 4 bottles per case and 5 - Gallon pails

## Section XV: Regulatory Information

**OSHA Hazard Communication Standard:** OSHA hazardous chemicals as defined under 29 CFR 1910.1200 are listed in Section II.
**Toxic Substances Control Act (TSCA):** The known ingredients of this product are listed.
**SARA Title III:**

**Section 302 Extremely Hazardous Substances**: None
**Section 311 /312 Hazard Categories:** Immediate (acute) health hazard
**Section 313 Toxic Chemicals*:** None present at or above the minimum reportable concentrations.
*****Note: Reporting is only applicable to manufacturers in SIC Codes 20 – 39.

C**ERCLA Hazardous Substances:** Components present in this product that could require reporting under the statute are:

| **Chemical Name** | **CAS Number** | **Concentration** | **CERCLA RQ, pounds** |
|---|---|---|---|
| Diethanolamine | 111-42-2 | <0.12 % | 100 |

## Section XVI: Other Information

This product is for institutional use only and is not for resale.