

# MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communications Standard 29 CFR 1910.1200

**Product Desc:** N.C.C.E. Antibacterial Hand Soap  
**Product Code:** 55-1010-00                      HMIS codes H F R P  
1 0 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:** July 1, 2002                      **Date Revised:** January 09, 2008  
**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	NCOS PEL	ACGIH TLV
Detergent Blend	Trade Secret	12 – 14	NE	NE
*Cocoamide DEA	68603-42-9	2 - 5	NE	NE
*Diethanolamine (DEA)	111-42-2	< 0.3	3ppm	0.46ppm TWA
TWA (skin)				
Glycerin	56-81-2	0 - <1	NE	NE
Propylene Glycol	57-55-6	1 - 2	NE	NE
*2-Hydroxy-1,2,3-Propanetricarboxylic Acid (Citric Acid)	77-92-9	0 - <1	NE	NE
CI Acid Orange #7	633-96-5	< 0.1	NE	NE
*Floral Perfume	Trade Secret	< 1	NE	NE
Sodium Laureth Sulfate	68585-34-2	< 1	NE	NE
D-Glucopyranoside	113976-90-2	< 1	NE	NE

*Ethanol	75-21-8	< 1	1000 ppm TWA	1000 ppm TWA
*P-Chloroxylenol	88-04-0	< 0.3	NE	NE
Water	7732-18-5	78 - 82	NE	NE

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

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### **Section III: Hazards Identifications**

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#### **EMERGENCY OVERVIEW**

A viscous, burnt-orange liquid with a sweet scent. May cause mild eye irritation. May cause irritation of the skin to individuals with sensitive skin. Vapors and mists may cause nose and throat irritation. May be harmful if swallowed. 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 nose and throat.

**Skin:** May cause irritation of the skin to individuals with sensitive skin. May cause irritations to breaks of the skin. If skin irritation develops, discontinue use.

**Eyes:** Eye contact may cause irritation. Repeated or prolonged exposure may cause redness of the eyes.

**Ingestion:** Ingestion may cause mouth, throat, esophagus, and stomach irritation, nausea, vomiting, and diarrhea.

**Chronic Effects/ Carcinogenicity:** None of the components in this product at concentrations of 0.1% or greater are listed by the NTP, IARC or OSHA as carcinogens.

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### **Section IV: First Aid**

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**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

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**Section V: Fire and Explosion Data**

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**Flash Point:** > 200 degrees 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 and carbon monoxide.

**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.

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**Section VI: Accidental Release Measures**

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**SMALL SPILL:** 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. Dispose of waste properly (See Section 13).

**LARGE SPILL:** 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. Flush spill area with plenty of water. 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.

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**Section VII: Handling and Storage**

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**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 degrees F or in direct sunlight.

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**Section VIII: Exposure Control/Personal Protection**

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**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:** Not needed for normal use. Use chemical-resistant rubber gloves for spill clean up.

**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.

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**Section IX: Physical/Chemical Properties**

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**APPEARANCE**

Viscous burnt-orange liquid

**ODOR**

Sweet scented odor

**BOILING RANGE**

Undetermined

**VAPOR PRESSURE**

Undetermined

**SPECIFIC GRAVITY**

1.008 – 1.020

**VAPOR DENSITY (Air = 1)**

Undetermined

**pH**

7.5 to 8.5

**PERCENT VOLATILE BY VOLUME**

Undetermined

**MELTING POINT**

Not applicable

**EVAPORATION RATE**

Slower than butyl acetate

**VISCOSITY**

850 - 1250 Centipoise

**SOLUBILITY IN WATER**

completely soluble

**Section X:                   Reactivity Information**

**Stability:**                   Product is stable. Avoid elevated temperatures.

**Incompatibility:**       Due to the organic nature of this detergent, it is expected to be incompatible with acids and strong oxidizing agents.

**Hazardous Reaction/Decomposition or by Product:** Burning can produce acrid smoke and toxic fumes of carbon monoxide and carbon dioxide.

**Hazardous Polymerization:** Will not occur.

**Section XI:                   Toxicological Information**

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

**ANIMAL DATA:   Cocoamide DEA**

**Ingestion:** Oral-Rat LD50: 1.2 g/kg

**Inhalation:** Inhalation Toxicity: Irritant (rabbit)

**Contact:** Ocular Irritation Studies: Severe (rabbit)

**Propylene Glycol**

**Contact:** Eye-Rabbit 100 mg - Mild irritation effects

Eye-Rabbit 500 mg/24H - mild irritation effects

**Ingestion:** Oral-rat LD50: 20g/kg

Oral-Mouse LD50: 22g/kg

**Other:** DNA Inhibition-Mouse-Subcutaneous 8,000 mg/kg

Cytogenic Analysis-Mouse-Subcutaneous 8,000 mg/kg

Cytogenic Analysis-Hamster: fibroblast 32 g/L

Experimental teratogenic and reproductive effects have been noted in studies with laboratory animals injected with this substance.

**HUMAN DATA:    Propylene Glycol**

**Contact:** Skin-Human 500 mg/7D - Mild irritation effects

Skin-Human 104 mg/3D-I - Moderate irritation effects (

**Ingestion:** Human systemic effects by ingestion: general anesthesia, convulsions, changes in surface electroencephalogram.

Oral-Child TDLo: 79 g/kg/56W-I - Central nervous system effects

Parental-Infant TDLo: 10g/kg/3D-C - Systemic effects

## **Section XII: Ecological Information**

**Ecotoxicological information:** Not available for product. Product may be dangerous if it enters water intakes. Keep product out of water intakes and storm sewer systems.

**Chemical Fate Information:** Not available for product. Product could slightly raise the pH of surface water, depending on size of spill. Once the product is diluted with plenty of water or neutralized, its impact should be slight.

## **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 contaminants 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

## **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 intentional 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.

**CERLA Hazardous Substances:** Components present in this product that could require reporting under the statute are: None present at or above 0.00008 % in final product.

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**Section XVI: Other Information**

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