

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communications Standard 29 CFR 1910.1200

Product Desc: N.C.C.E. Dish Machine Rinse Agent
Product Code 55-0380-00 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: 1205 E. McNeil St. P.O. Box 1569
City/State/ Zip: Lillington, North Carolina 27546
Telephone: **For Information-** (910) 893-4552
For Emergency - CHEMTREC - 1-800-424-9300
Date Prepared: August 20, 1997 **Date Revised:** February 25, 2002
Contact For Technical Information: Plant Manager
Telephone: (910) 893-4552 **Fax:** (910) 893-6042

Section II: Composition/Information on ingredients and exposure guidelines

COMPONENTS (Chemical Name and Synonyms)	CAS NO.	TYPICAL % BY WEIGHT	NCOS PEL	AGGIH TLV
Neutral Detergent 416-LF	Unknown	4 - 7	NE	NE
Ultralex 2939	Unknown	9 - 12	NE	NE
Sodium Xylenesulfonate	1300-72-7	< 1	NE	NE
*Aminotri-(Methylenephosphonic Acid)	6419-19-8	< 1	NE	NE
Pigment Blue 15	147-14-8	< 0.1	NE	NE
Water	7732-18-5	80-85	NE	NE

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

Section III: Hazards Identification

EMERGENCY OVERVIEW

Blue liquid with a detergent like odor. Contact with eyes may cause slight irritation. Contact with skin may cause slight irritation. Inhalation may cause slight respiratory irritation. For large spills, emergency responders should wear impervious coveralls, boots, gloves, goggles, and respiratory protection in confined or poorly ventilated areas. Absorb spill with inert material or transfer to a suitable container for reuse or disposal. See sections 3, 6 and 10.

Potential Health Effects and Primary Routes of Entry:

Eyes: Contact with eyes causes irritation, pain, redness, swelling, and tearing. Corneal injury may occur.

Inhalation: Breathing vapors may cause slight irritation of the nose, throat, and respiratory tract.

Skin: Contact with skin may cause slight redness.

Ingestion: Ingestion may cause irritation and discomfort in the form of nausea or vomiting.

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.

For complete discussion of the toxicology data from which this evaluation was made, please refer to Section 11.

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: Do not induce vomiting. Get medical attention immediately. If victim is fully conscious, give plenty of water. Never give anything by mouth to an unconscious person. Contact Carolina Medical Poison Control Center at 1-800-848-6946 (24 hr.) for advice.

Medical Conditions Generally Aggravated By Exposure: Individuals with pre-existing skin or eye disorders may be susceptible to effects of excessive exposure to this product.

Section V: Fire and Explosion Data

Flash Point: > 200 deg F. Non-combustible.

Flammable Limits: Not determined.

Extinguishing Media: If this product is involved in a fire, use extinguishing media that is appropriate for combustibles in the area. Keep containers cool with water spray to prevent container rupturing.

Fire and Explosion Hazards: During a fire, the product can emit irritating fumes and toxic carbon monoxide, carbon dioxide, and sulfur oxide fumes.

Fire-Fighting Equipment: Exposed firefighters should wear NIOSH/MSHA 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). Untrained persons and those not wearing proper protective equipment should be excluded from the spill area until cleanup is complete. Stop and control leak. Respiratory protection could be required for controlling spills in confined or poorly ventilated areas. Stop the release and keep material out of sewers and watercourses by diking or impounding with sand or absorbent materials. Small spills up to one gallon can be diluted with plenty of water and mopped up. Use caution; floor may be slippery. Flush area with plenty of water. Cleanup residues should be placed in a nonmetallic container for reuse or disposal.

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. Wash thoroughly after handling. Remove contaminated clothing and launder before reuse. Do not wear contact lenses while using this product or touch eyes or face with hands or gloves that may be contaminated. Do not mix product with any other chemicals or cleaning agents. Do not use product on metal surfaces. Empty containers may contain residue, which is hazardous.

Storage: Keep containers in a dry, well ventilated area and closed when not in use. Keep from freezing. Keep product in original container. For institutional use only. Keep this and all chemicals out of reach of children.

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: Avoid skin contact. Use chemical-resistant rubber gloves to prevent skin contact.

Eye Protection: Avoid eye contact. Chemical splash goggles are recommended 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

Blue liquid

ODOR

Detergent like odor

BOILING RANGE

Not determined for product

VAPOR PRESSURE

Not determined for product.

SPECIFIC GRAVITY

1.01 - 1.03

VAPOR DENSITY (Air = 1)

> 1

pH

2.5 - 4.5

PERCENT VOLATILE BY VOLUME

> 70% (Water)

MELTING POINT

Not applicable

EVAPORATION RATE**(N-BUTYL ACETATE =1)**

< 1

VISCOSITY

2 - 10 Centipoise

SOLUBILITY IN WATER

complete

Section X: Reactivity Information

Stability: Product is stable.

Incompatibility: None known.

Hazardous Reaction/Decomposition or by Product: When heated to decomposition, may emit carbon monoxide, carbon dioxide, and sulfur oxide fumes.

Hazardous Polymerization: Will not occur.

Section XI: Toxicological Information

None Known.

Section XII: Ecological Information

Ecotoxicological information: Not available for product. Keep product out of waterways and storm sewer systems.

Chemical Fate Information: Not available for product. Product could slightly lower 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. Organic compounds in product are expected to be biodegradable.

Section XIII: Disposal Consideration

Waste Disposal: Unused product is not expected to be 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. If approved by local regulatory authorities, this product may be neutralized with a dilute base and flushed to a wastewater treatment system. 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: 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 intentional ingredients of this product are listed.

SARA Title III:

Section 302 Extremely Hazardous Substances: None

Section 311 /312 Hazard Categories: Immediate health hazard

Section 313 Toxic Chemicals*: None present

CERLA Hazardous Substances: Components present in this product that could require reporting under the statute are: None present.

If an amount larger than or equal to the reportable quantity is released into the environment, immediate notification of the National Response Center (800-424-8802), and state and local authorities is required.

North Carolina Water and Air Resources Act: this product contains less than 0.5% phosphorous and complies with 143-214.4 of the North Carolina Water and Air Resources Act.

Section XVI: Other Information

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