

# MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communications Standard 29 CFR 1910.1200

Product Desc: N.C.C.E. Stainless Steel Cleaner and Polish

Product Code 55-2050-00 HMIS codes H F R P

O I O X (See Section VIII)

## Section I: Manufacturer Information

Name: N.C. Dept. of Correction, Janitorial Products Plant

Mailing Address: 1206 E. McNeill 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 23, 2002 **Date Revised:** January 12, 2006

**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
Methy 1 Soyate	67784-80-9	100	NE	NE

OSHA's Hazard Communication Standard (29 CFR 1910.1200) does not require the listing of any ingredients for this product. NE: Not Established

## Section III: Hazards Identification

### EMERGENCY OVERVIEW

A pale yellow liquid with a mild odor. For large spills emergency responders should wear chemical resistant gloves, safety goggles, and chemical resistant coveralls to avoid contaminating clothing. See sections III, VI and XIII.

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

**Eyes:** May be an eye irritant.

**Inhalation:** Negligible unless heated to produce vapors. Vapors or finely misted materials may irritate the mucous membranes and cause irritation, dizziness, and nausea.

**Skin:** Prolonged skin contact is not likely to cause significant irritation. Material encountered at elevated temperatures may cause thermal burns.

**Ingestion:** No hazards anticipated from incidental ingestion or industrial exposure.

**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 XI.

<b>Section IV: First Aid</b>
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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 soap and 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:** Give one or two glasses of water to drink. Do not induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep airway clear and keep head below hip level. Contact Carolina Medical Poison Control Center at 1-800-848-6946 (24 hr.) for advice.

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

<b>Section V: Fire and Explosion Data</b>
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**Flash Point:** 100DEG C.

**Flammable Limits:** Not applicable

**Extinguishing Media:** If this product is involved in a fire, use extinguishing agent that is appropriate for combustibles in the area such as dry chemical, foam, water for, halon, or carbon dioxide-type extinguishers.

**Fire and Explosion Hazards:** During fire, keep exposed drums cool with a water spray. 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 VIII for further information.

<b>Section VI: Accidental Release Measures</b>
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Cleanup personnel should wear appropriate equipment such as rubber gloves, tight fitting safety goggles, and chemical resistant coveralls to keep clothing from becoming contaminated (See Section VIII). Absorb spill on inert material. Pick up and place residue in a suitable waste container or, if permitted, flush to sewer. Wash hard surfaces with safety solvent or detergent to

remove remaining oil film and thoroughly rinse spill area with water. Greasy nature will result in a slippery surface. Dispose of waste properly (See Section XIII).

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, or on clothing. Do not taste or swallow. Use with adequate ventilation. Wash thoroughly after handling. Remove contaminated clothing and launder before reuse. Empty containers may contain residue. Do not mix this product with any other chemical or cleaning agent.

**Storage:** Keep containers in a dry area and closed when not in use. Store at temperature between 40 and 120 degrees F. 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:** Use chemical-resistant rubber gloves to prevent skin contact.

**Eye Protection:** Avoid eye contact. Chemical splash goggles are recommended whenever eye or face 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

Pale yellow liquid

#### ODOR

mild odor

#### BOILING RANGE

> 200 deg C

#### VAPOR PRESSURE

< 2 mm Hg

#### SPECIFIC GRAVITY

0.80 - 0.95

#### VAPOR DENSITY (Air = 1)

> 1

**pH**  
5.5 - 6.5

**PERCENT VOLATILE BY VOLUME**  
<2%

**MELTING POINT**

Not applicable

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

**VISCOSITY**  
1 - 10 cps

**SOLUBILITY IN WATER**  
Insoluble

**Section X: Reactivity Information**

**Stability:** Product is stable.

**Incompatibility:** Strong oxidizing materials.

**Hazardous Reaction/Decomposition or by Product:** When heated to decomposition, may emit carbon monoxide, carbon dioxide and thick smoke.

**Hazardous Polymerization:** Will not occur.

**Section XI: Toxicological Information**

Ingredients used in this product have the following toxicological data:

**ANIMAL DATA:** Methyl Soyate

**Ingestion:** Oral LD50 > 17.4 g/kg (species not identified)

**HUMAN DATA:** Methyl Soyate

**Contact:** May cause eye irritation.

**Section XII: Ecological Information**

**Ecotoxicological information.**

Not available for product.

Methyl Soyate: 96 hour LC50, Bluegill: > 1,000 mg/L

**Chemical Fate Information:**

No information available for product.

**Section XIII: Disposal Consideration**

**Waste Disposal:** Any disposal must be in accordance with federal, state, and local regulations. Liquid wastes are not permitted in landfills. Unusable material may be absorbed on an inert absorbent material, drummed, and taken to a chemical or industrial landfill. As with any wastewater, consultation with local treatment plant staff is recommended before disposal.

Concentrated product should be recovered for reuse. The unused product is not expected to be a RCRA hazardous waste. Spills of 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 Quart, 12 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:** Non-hazardous

**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:** None

**North Carolina Water and Air Resources Act:** This product contains no phosphates 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.