CCI
COLUMBUS CHEMICAL INDUSTRIES INC.
P.O. BOX 8
COLUMBUS, WISCONSIN 53925-0008
(920) 623-2140
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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY *(as Used on Label and List)*

Nessler's Reagent, APHA

Note: *Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.*

Section I

Manufacturers /Distributor Address Number Street City State and Zip Code

Columbus Chemical Industries, Inc.
N4335 Temkin Road
Columbus, Wisconsin 53925

Emergency Telephone Number
CHEMTREC: 1 (800) 424-9300

Telephone Number for Information
1 (920) 623-2140

Date Prepared
05-11-2006

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s)	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Sodium Hydroxide*,**	1310-73-2	2 mg/m^3	2 mg/m^3	Not available	13-14%
Mercuric Chloride *, ***	7487-94-7	0.1mg(Hg)/m^3 (TWA Skin)	0.025mg(Hg)/m^3 (TWA Skin)	0.05 mg(Hg)/m^3 (Ceiling air)	8-9%
Potassium Iodide	7687-11-0	Not established	Not established	None	5-6%

*Subject to the reporting requirements of SARA Title III Section 313.
**SYNONYMS: Caustic soda.
*** EPA TSCA Section 8(B) Chemical Inventory

Section III - Physical/Chemical Characteristics

Boiling Point	Not available	Specific Gravity (H_2O = 1)	1.20
Vapor Pressure (mm Hg)	Not available	Melting Point	Not available
Vapor Density (AIR = 1)	Not available	Evaporation Rate (Butyl Acetate = 1)	>1

Solubility in Water
Complete in all proportions

Appearance and Odor
Slightly cloudly, yellow liquid

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Nonflammable		Not applicable	Not applicable

Extinguishing Media
Suitable to extinguish the supporting flame.

Special Fire Fighting Procedures
In the event of a fire, wear full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards
Emits toxic fumes under fire conditions.

Section V Reactivity Data

Stability	Unstable			Conditions to Avoid	Absorbs carbon dioxide; avoid
	Stable	X			exposure to air, glass, heat

Incompatibility Materials to Avoid

Strong acids, lithium, potassium and sodium metal, chlorinated solvents, aluminum, phosphorus, zinc, tin, tin oxides, heat

Hazardous Decomposition or Byproducts

Sodium oxide, Mercuric oxides, mercury, chlorine, Hydrogen iodide, iodine oxides, iodine, potassium oxide.

Hazardous Polymerization			Conditions to Avoid
	May Occur		Not applicable.
	Will Not Occur	X	

Section VI Health Hazard Data

Routes of Entry	Inhalation ?	Skin ?	Ingestion ?
	X	X	X

Health Hazards *(Acute and Chronic)*

Irritation and possible burns, especially to mucous membranes of eyes and upper respiratory tract. Contact with eyes may cause blindness. Skin contact may cause irritation, edema, burns, blisters and ulceration. Ingestion can cause damage to mouth, esophagus, stomach and other tissues contacted, may cause convulsions, coma, and may be fatal.

Carcinogenicity	NTP	IARC Monographs	OSHA REGULATED?
	Not listed	Not listed	Yes, Mercury compds.

Signs and Symtoms of Exposure.

Spasm, inflammation and swelling of the larynx and bronchi, chemical pneumonitis and pulmonary edema.

Burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

Medical Conditions Generally Aggravated by Exposure Generally aggravated by exposure.

Emergency and First Aid Procedures EYES/SKIN: Flush immediately with plenty of water for at least 15 minutes. Remove contaminated clothing. Remove contact lenses if possible. Call physician if irritation develops. Wash clothing before reuse. INGESTION: DO NOT induce vomiting. Give several cups of water to conscious victim. Call a physician. INHALATION: Move to fresh air. Give oxygen if breathing is difficult, artificial respiration if not breathing.

Section VII Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled Evacuate and ventilate area. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Stop leak if able to do so without risk. Dike spill and carefully neutralize spill with dilute hydrochloric acid. Absorb on suitable absorbant material. Thoroughly wash and ventilate spill area when complete.

Waste Disposal Method Dispose in accordance with all applicable Federal, state and local regulations.

Precautions to be Taken in Handling and Storing Keep in tightly-closed, plainly-labelled containers. Store in a cool, dry, corrosion-resistant and ventilated area. Protect against physical damage. Store in corrosion-resistant containers Maintain effective ventilation. Protect exposed tissues. Do not ingest or breathe vapors. Avoid storage below 0 ºC (32 ºF) and above 50 ºC (122 ºF).

Other Precautions Do not get in eyes, on clothing. Use with adequate ventilation. Containers, even when empty, will retain residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.

Section VII Control Measures

Respiratory Protection *(Specify Type)* NIOSH/MSHA-approved respirator with dust/mist cartridge.

Ventilation

Local Exhaust Recommended. **Special** Eye-wash station nearby.

Mechanical *(General)* Recommended. **Other** Safety shower nearby.

Protective Gloves Rubber gloves. **Eye Protection** Safety goggles

Other Protective Clothing or Equipment Lab coat or apron and rubber boots. Face-shield recommended.

Work /Hygienic Practices Wash exposed areas thoroughly after handling. Wash contaminated clothing before reuse. Do **NOT** wear contact lenses. Do not wear contact lenses when handling this product. Avoid breathing vapors. Avoid prolonged or repeated exposure.

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