

# 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** Part #95-2006 MSDS 96-3108 *Nota: 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

Manufacturer's Name <b>Neo/SCI Corporation</b>	Emergency Telephone Number 1-800-526-6689
Address (Number, Street, City, State, and ZIP Code) 210 Commerce Drive	Telephone Number for Information 1-800-526-6689
P.O. Box 22729	Date Prepared 6/4/2003
Rochester, NY 14692-2729	Signature of Preparer Kenneth G. Rainis

### Section II - Hazardous Ingredients/Identity Information

	OSHA PEL	ACGIH TLV	Other Limits Recommended	%
<b>Sodium Hydroxide (CAS 1310-73-2)</b>	NE	2mg/m <sup>3</sup> (air)	NE	1-4.0
<b>Water (CAS 7732-18-5)</b>	NE	NE	NE	96-99

**WARNING! MAY CAUSE IRRITATION. HARMFUL IF SWALLOWED.**

### Section III - Physical/Chemical Characteristics

Boiling Point Approx. 100°C (212°F)	Specific Gravity (H <sub>2</sub> O = 1) (As potassium hydroxide)	2.044 at 25°C
Vapor Pressure (mm Hg) 14 (water)	Melting Point (as potassium hydroxide)	389°C
Vapor Density (AIR = 1) Data not listed.	Evaporation rate (Ether = 1)	NA

Solubility in Water

Solution

Appearance and Odor

Water-clear, no odor.

### Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) Liquid not flammable.	Flammable Limits in air % by volume NA	LEL	UEL
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Extinguishing Media

Use any media for extinguishing the supporting fire.

Special Firefighting Procedures

None required for product volume.

Autoignition Temperature:

NA

Unusual Fire and Explosion Hazards

Not a hazard in this small product volume.

DOT (not regulated).

### Section V - Reactivity Data

Stability	Unstable	Conditions to Avoid NA
	Stable	X

Incompatibility (Materials to Avoid)

Most common metals (zinc, aluminum, tin, lead etc.) may liberate flammable hydrogen.

Polymerization	Will Not Occur	Conditions to Avoid NA
	X	

#### Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	No	Yes	Yes

Health Hazards (Acute and Chronic)

**WARNING:** Ingestion may result in irritation to the mouth. Contact with skin or eyes may cause irritation.

Breathing of mists may produce irritation.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
No	No	No	No
TLV: TWA: 2mg/m <sup>3</sup> (air) ACGIH			

#### Signs and Symptoms of Exposure

Tissue irritation may occur upon prolonged contact.

#### Medical Conditions

Aggravated upon exposure.

#### Emergency and First Aid Procedure

**INHALATION:** (Mist) Remove to fresh air. If not breathing, give artificial respiration. If discomfort occurs, get medical attention.

**INGESTION:** If swallowed, DO NOT induce vomiting. Give large amounts of water to drink. Call physician immediately.

Never give anything by mouth to an unconscious person.

**EYES:** Flush thoroughly with water, lifting lower and upper eyelids with water for at least 15 min. lifting eyelids. Get

prompt medical attention. **SKIN:** Flush thoroughly with water; wash area with vinegar.

#### Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Wear protective equipment including eye goggles, butyl/nitrile rubber gloves, lab coat.

#### Waste Disposal Method (These guidelines are intended for listed quantity only.)

Wear protective equipment, neutralize by covering spill area with sodium bisulfate until a slurry is formed. Scoop up slurry and deposit into a suitable container. Wash area with vinegar, then with water.

Discharge may be subject to Federal, State and Local laws.

Precautions to be Taken in Handling and Storage (Keep container tightly closed when not in use.)

Store in a cool, dry place, and protect from acids, metals and organic peroxides.

Wash thoroughly after handling.

#### Other Precautions:

For lab use only. Not for drug, food, or cosmetic use. Keep out of reach of children. Wash hands after handling.

#### Section VIII - Control Measures

Respiratory Protection (Specify Type)

Ventilation	Local Exhaust	Special
	Not required.	No
	Mechanical (General)	Other
	Not required.	No

#### Protective Gloves

Rubber (butyl/nitrile) gloves if sensitive.

#### Other Protective Clothing or Equipment

Chemical safety goggles, lab coat, apron, eye wash station in close proximity, within 15 sec. of work station.

#### Work/Hygienic Practices

Wear protective equipment. Wash hands with soap and water following the handling of this material.

Store in a cool, dry place. Separate from acids, metals, organic peroxides. Avoid contact with skin, eyes, and clothing.

Use under direct supervision of a qualified individual knowledgeable in all aspects of laboratory safety. This product is intended for lab use only. Not for drug, food, or cosmetic use.

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