

UYEMURA INTERNATIONAL CORPORATION
MATERIAL SAFETY DATA SHEET

Product Name: Nimuden NPR-4-D
MSDS code: 43-0005

Revised: 6/07 **Revision:** E
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UIC urges each customer or recipient of this MSDS to study carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals that are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to use and understand the data contained in this MSDS.

To promote safe handling, each customer or recipient should: 1) Notify its employees, agents, contractors and others whom it knows or believes will use this material or the information in this MSDS and any other information regarding hazards or safety; 2) Furnish this same information to each of its customers for the product; and 3) Request its customers to notify their employees, customers, and other users of the product of this information.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 IDENTIFICATION

Product name: Nimuden NPR-4-D
Chemical name:
Chemical family: Aqueous solution containing inorganic salts
Formula: Not applicable

1.2 COMPANY IDENTIFICATION

Uyemura International Corporation
3990 Concourses, Suite 425
Ontario, CA 91764
909-466-5635

240 Town Line Road
Southington, CT 06489
860-793-4011

1.3 EMERGENCY TELEPHONE NUMBER

24 hours a day: In case of spill, leak, exposure or accident- Call Chemtrec
1-800-424-9300 /+1-703-527-3887.
Number for non-emergency questions concerning MSDS (860)793-4011
Additional information on this product may be obtained by calling
(800)243-3564

2. COMPOSITION INFORMATION

Principal Hazardous Component(s)	CAS#	Amount (%)
None		

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3. HAZARD IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Appearance Colorless

Physical state Liquid

Odor None

Hazards of product No dangerous reactions are known to occur with correct handling and storage.

3.2 POTENTIAL HEALTH EFFECTS

Effects of Single Acute Overexposure

This product may cause mild irritation to eyes and skin upon contact.

Chronic, Prolonged Exposure or Repeated Overexposure

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available. Toxicity of the product to the reproductive system: Not available. Repeated or prolonged exposure is not known to aggravate medical conditions.

3.3 POTENTIAL ENVIRONMENTAL EFFECTS

None known

4. FIRST AID PROCEDURES

SKIN AND EYES: On skin contact, rinse thoroughly with water. On eye contact, rinse thoroughly with plenty of water keeping eyelid open.

INHALATION: Bring affected person outside and ensure that he/she is comfortable.

INGESTION: Have patient drink plenty of water in small sips(for dilution)

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5. FIRE FIGHTING MEASURES

Flash Point (Method used) :Non-Flammable Flammable Limits Uel:N/A

Extinguishing Media : all extinguishing media suitable Lel: N/A

Special Fire Fighting Procedures : None

Unusual Fire and Explosion Hazards : None known

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled : : Liquid or solid spills should be responded to immediately. The spill, if liquid can be absorbed with an inert material; the solid spill can be swept or shoveled and put into a clean container/cover to ensure proper containment. All cleanup materials when contained must be labeled properly and stored in a safe place to await proper disposal. Persons performing the clean-up work should wear personal protective clothing and equipment.

7. HANDLING AND STORAGE

7.1 HANDLING

General Handling

Do not breathe vapor

Do not get in eyes, on skin, on clothing

Do not swallow

Keep container closed Use with adequate ventilation

Wash thoroughly after handling

Prevent any penetration into the ground

NOT INTENDED FOR DRUG USE. FOR INDUSTRIAL USE ONLY.

Ventilation

General(mechanical ventilation is expected satisfactory where this product is stored and handled in closed equipment. Special, local ventilation is needed at points where vapors can be expected to escape to the workplace air.

Other Precautions

None

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with work place related limits to be monitored

None

Respiratory Protection (Specify type) : This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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Ventilation

Local Exhaust : Local exhaust to keep dust and mist below exposure limits

Mechanical : General ventilation required.

Other :

Protective Gloves : PVC or PE gloves.

Eye Protection : Face shield and splash-proof safety goggles. Contact lens should not be worn.

Other Protective Equipment :

Rubber apron or other impervious clothing

The usual precautionary measures for dealing with chemicals should be observed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°F) :

100°C

Specific Gravity (H₂O=1) : 1.00

Melting Point:

N/A

Vapor Pressure (mm Hg) : N/A

% Volatile by Volume :N/A

Vapor Density (air=1) :

N/A

Evaporation Rate :N/A

Solubility in Water :

Fully miscible

pH value: 2-3

Appearance and Odor :

colorless solution, no odor.

10. STABILITY AND REACTIVITY

Stability -- Stable

Condition to Avoid : None

Incompatibility (Materials to avoid) :

None known

Hazardous Decomposition Products : None

Hazardous Polymerization -- Can Not Occur

11. TOXICOLOGICAL INFORMATION

No results of animal experiments available

12. ECOLOGICAL INFORMATION

Ecotoxicological Information

No ecotoxicological studies are available

13. DISPOSAL CONSIDERATIONS

Dispose according to Federal, State and local regulations. Do not allow product to reach sewage system. Dispose of empty containers according to regulations.

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14. TRANSPORT INFORMATION

Shipping Information

DOT

Proper Shipping Name: Chemical, N.O.I.

Hazard Class: Not Regulated

ID number:

DOT Labels:

Special Information

Packing Group:

Reportable quantity:

15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA Inventory Status: Reported/Included

HAZARDOUS CHEMICAL LISTS

SARA Extremely Hazardous Substance: No

CERCLA Hazardous Substance : No

SARA Toxic Chemical : No

Superfund Amendments and Reauthorization Act of 1986(SARA) Title III Sections 311 and 312

Delayed Hazard: No

Fire Hazard: No

Immediate Health Hazard: No

Reactive Hazard: No

Canadian Regulations:

16 OTHER INFORMATION

HMIS Rating : Health (1), Flammability(0), Reactivity (0)

4= Extreme; 3= Severe; 2 = Moderate ; 1= Slight ; 0 =No known hazard

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End of MSDS