

Material Safety Data Sheet

[Go Back To Material Safety Data Sheet Page](#)

Identity: #DRN, Drench

Section I

Manufacturer Name:

Denko	Emergency Telephone Number
414 West Sunrise Highway	1-877-DENKOF0AM
Patchogue, NY 11772	Telephone For Information
	1-877-DENKOF0AM
	Date Prepared: April 1999
	Prepared By: Staff

Section II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components	OSHA PEL	ACGIH TLV	OTHER LIMITS	PERCENT OPTIONAL
*Sodium Hydroxide CAS# 1310-73-2	2mg / m3	2mg / m3		<3
**Ammonium Hydroxide CAS# 1336-21-6	50ppm	25ppm		<1
***Nonylphenol ethoxylate CAS# 9016-45-9	NA	NA		<10

*Sodium Hydroxide is subject to SARA Section 311 / 312 and listed as an Immediate hazard. It is also listed on the following state Right To Know; NJ and PA

**Ammonium Hydroxide is subject to SARA Section 313 and is listed as an Immediate hazard under Section 311 / 312

***Nonylphenol Ethoxylate contains traces of Residual Ethylene Oxide which are subject to SARA 302 / 304. Glycol ethers are subject to SARA Section 311, listed on California Prop 65 and subject to Right To Know Laws in the state of Pennsylvania.

Health1
Flammability0
Reactivity0

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Section III - PHYSICAL / CHEMICAL CHARACTERISTICS
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Boiling Point:>212 deg.F
Vapor Pressure (mm Hg). . . .NA
Vapor Density (water=1).1
Solubility in waterComplete
Appearance and Odor: Blue liquid, ammonia odor
Specific Gravity. (H2O=1) >1
Melting Point: NA
Evaporation Rate:<1
(Butyl Acetate=1)

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Section IV - FIRE AND EXPLOSION HAZARD
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Flash Point (Method Used): None Flammable Limits: LEL: UEL:
Extinguishing Media: Water, foam, dry chemical
Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

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Section V - DRN
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Stability	Unstable	<input type="checkbox"/>	Conditions to Avoid:
	Stable	<input checked="" type="checkbox"/>	

Incompatibility (materials to avoid): Strong acids. Aqua ammonia reacts with bromine, chlorine, mercury, silver and bleach to form explosive compounds. Avoid use of metals containing copper or zinc.

Hazardous Decomposition or Byproducts: None

Hazardous Polymerization	May occur	<input type="checkbox"/>	Conditions to Avoid:
	Will not occur	<input checked="" type="checkbox"/>	

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Section VI - Health Hazard Data
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Route(s) of entry Inhalation? Yes Skin? No Ingestion? Yes

Health Hazards (Acute and Chronic): Eye contact - May irritate and / or cause corneal damage
 Ingestion - may damage throat and / or respiratory tract. Inhalation - Irritating to nasal passage and respiratory tract.

Carcinogenicity: NTP? No (ARC Monographs)? No OSHA Regulated? No

Medical Conditions Generally Aggravated by Exposure: None recognized

Emergency and First Aid Procedures: Eyes and skin - flush with water. If irritation occurs, see physician.
 Ingestion - get immediate medical attention. Do NOT induce vomiting.

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Section VII - Precautions for Safe Handling and Use
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Steps to Be Taken in Case Material is Released or Spilled: Flush spill with water. Pick up with inert material.

Waste Disposal Method: According to Federal, State and local authorities only.

Precautions For Storing and Handling: Keep from freezing.

Other Precautions: None

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Section VIII - Control Measures
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Respiratory Protection (Specify Type): If TLV is exceeded, approved MIOSH / NIOSH for ammonia must be used

