



# INSTITUTIONAL FORMULA DRANO

National Fire Protection Association (NFPA)	Health		Reactivity	Hazardous Material Information System (HMIS)	Health	3
					Fire Hazard	0
					Reactivity	1
Protective Clothing				Emergency Overview	Clear Straw color. Liquid. See Section 9. DANGER. CORROSIVE. CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED.	

Section 1. Chemical Product and Company Identification			
Product Name	INSTITUTIONAL FORMULA DRANO	Code	90485
Product Use	Industrial/Institutional: Cleaning product.	PMS#	433205
MSDS#	126061002	Validation Date	04/19/2000
U.S. Headquarters	Drackett Professional A Division of S.C. Johnson Commercial Markets, Inc. 8310 16th Street Sturtevant, Wisconsin 53177-0902 Phone: (888) 352-2249	Print Date	04/20/2000
		Supersedes	04/13/2000.
		In Case of Emergency	(800) 851-7145

Section 2. Composition and Information on Ingredients				
Ingredients	CAS #	% by Weight	Exposure Limits	LC50/LD50
Sodium Hydroxide	1310-73-2	30-60	CEIL: 2 (mg/m <sup>3</sup> ) from OSHA (PEL) [United States] STEL: 2 (mg/m <sup>3</sup> ) from ACGIH (TLV) [United States]	Not available.
Water	7732-18-5	60-100	Not available.	Not applicable.

Section 3. Hazards Identification	
Routes of Entry	Inhalation. Skin contact. Eye contact.
Potential Acute Health Effects	<p><b>Eyes</b> Corrosive. May cause permanent damage including blindness.</p> <p><b>Skin</b> Corrosive. May cause permanent damage.</p> <p><b>Inhalation</b> May cause irritation and corrosive effects to nose, throat and respiratory tract.</p> <p><b>Ingestion</b> Corrosive. May cause burns to mouth, throat, and stomach.</p>
Medical Conditions Aggravated by Overexposure:	None known.
See Toxicological Information (section 11)	

Section 4. First Aid Measures	
Eye Contact	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.
Skin Contact	Flush immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
Inhalation	If breathing is difficult: Remove to fresh air. Get medical attention immediately.
Ingestion	Do not induce vomiting! Immediately drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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**Section 5. Fire Fighting Measures**

Flammability of the Product	None known.
Flash Points	Not available.
Products of Combustion	None known.
Fire Fighting Media and Instructions	Extinguish with water spray or carbon dioxide, dry chemical powder or appropriate foam. Normal fire fighting procedure may be used.
Protective Clothing (Fire)	Put on appropriate personal protective equipment (see Section 8).
Special Remarks on Fire and Explosion Hazards	Corrosive material (See sections 8 and 10).

**Section 6. Accidental Release Measures**

Personal Precautions	Put on appropriate personal protective equipment (see Section 8).
Environmental Precautions and Clean-up Methods	In the event of major spillage: Use appropriate containment to avoid environmental contamination. Sweep or scrape up material. Place in suitable clean, dry containers for disposal by approved methods. Use a water rinse for final clean-up.

**Section 7. Handling and Storage**

Handling	Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Avoid breathing vapors or spray mists. Wash thoroughly after handling. Remove and wash contaminated clothing and footwear before re-use. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR INDUSTRIAL USE ONLY.
Storage	Store in a dry, cool and well-ventilated area. Protect from freezing. Keep container tightly closed. KEEP OUT OF REACH OF CHILDREN.

**Section 8. Exposure Controls/Personal Protection**

Engineering Controls	Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.
Personal Protection	
<i>Eyes</i>	Chemical splash goggles.
<i>Hands</i>	Chemical resistant gloves. Includes: Rubber gloves. Neoprene gloves.
<i>Respiratory</i>	If mists/vapors are not adequately controlled by ventilation, use appropriate respiratory protection to avoid over exposure. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.
<i>Feet</i>	No special protective clothing is required.
<i>Body</i>	If major exposure is possible, wear suitable protective clothing and footwear.

**Section 9. Physical and Chemical Properties**

Physical State and Appearance	Liquid.
Odor	Ammoniacal.
Color	Clear Straw color.
pH	>13 [Basic.]
Specific Gravity	1.35
Boiling/Condensation Point	120°C (248°F)
Melting/Freezing Point	0°C (32°F)
Solubility in water	Complete.

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**Section 10. Stability and Reactivity**

Stability and Reactivity	The product is stable.
Conditions of Instability	None known.
Incompatibility with Various Substances	Reactive with oxidizing agents, acids. Do not mix with any other chemicals or products unless specified by label.
Hazardous Decomposition Products	When exposed to fire: Produces normal products of combustion.
Hazardous Polymerization	Will not occur.

**Section 11. Toxicological Information**

Acute toxicity	ORAL (LD50) Estimated to be less than 500 mg/kg (rat).
Effects of Chronic Exposure	None known.
Other Toxic Effects	Not available.

**Section 12. Ecological Information**

Not available.

**Section 13. Disposal Considerations**

Waste Information	Undiluted product is regulated under environmental and transportation laws as a corrosive waste. Dispose of according to all federal, state and local regulations.
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**Section 14. Transport Information**

## DOT Classification

DOT Proper Shipping Name	Corrosive liquids, n.o.s. ( Sodium hydroxide )
DOT Class	Class 8: Corrosive material
UN/NA	UN1760
Packing Group	II
DOT Special Considerations	Limited Quantity

## TDG Classification

TDG Class	Not applicable.
PIN/NIP	
TDG Special Considerations	

**Section 15. Regulatory Information****Reporting in this section is based on ingredients disclosed in Section 2**

## US Regulations

**Federal** Clean Water Act (CWA) 311: Sodium Hydroxide  
CERCLA: Hazardous substances.: Sodium Hydroxide

**State** New Jersey spill list: Sodium Hydroxide  
New Jersey: Sodium Hydroxide  
Massachusetts spill list: Sodium Hydroxide  
Massachusetts RTK: Sodium Hydroxide  
Pennsylvania RTK: Sodium Hydroxide

This product is not subject to the reporting requirements under California's Proposition 65.

**Registered Product Information** Not applicable.

## Canadian Regulations

**WHMIS Classification** Not applicable.

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## WHMIS Icon

Registered Product Information Not applicable.

Chemical Inventory Status All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**Section 16. Other Information**

Other Special Considerations Not available.

Version 1

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