

# MATERIAL SAFETY DATA SHEET



## INSTITUTIONAL FORMULA DRANO

HMIS		NFPA	Personal protective equipment		
Health	3	3			
Fire Hazard	0	0			
Reactivity	0	0			

Version Number: 2

Preparation date: 2005-05-06

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** INSTITUTIONAL FORMULA DRANO

**MSDS #:** 126061002

**Product code:** 90485, 126061002

**Recommended use:** Cleaning product.

**Manufacturer, importer, supplier:**  
 Consumer Branded Professional Products, Div. Canadian Headquarters  
 JohnsonDiversey, Inc. JohnsonDiversey - Canada, Inc.  
 8310 16th Street 2401 Bristol Circle  
 Sturtevant, Wisconsin 53177-0902 Oakville, Ontario L6H 6P1  
 Phone: (888) 352-2249 Phone: 1-800-668-3131

**Emergency telephone number:** 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

DANGER. CORROSIVE. CAUSES EYE AND SKIN BURNS . HARMFUL OR FATAL IF SWALLOWED. NEVER USE OR MIX WITH ACIDS, AMMONIA OR ANY OTHER CHEMICAL.

**Principle routes of exposure:** Skin contact. Eye contact. Inhalation. Ingestion.

**Skin contact:** Corrosive. May cause permanent damage.

**Eye contact:** Corrosive. Causes permanent eye damage, including blindness.

**Inhalation:** May cause irritation and corrosive effects to nose, throat and respiratory tract.

**Ingestion:** Corrosive. Causes burns to mouth, throat and stomach.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### HAZARDOUS COMPONENTS

Ingredient	CAS #	Weight %	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium hydroxide	1310-73-2	30 - 40%	140 mg/kg (rat)	Not available	Not available

### 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 affected, remove to fresh air. Get medical attention immediately.

**Ingestion:** DO NOT induce vomiting. If able to swallow, offer sips of water or milk. GET MEDICAL ATTENTION IMMEDIATELY. Never give anything by mouth to an unconscious person.

**Notes to physician:** Probable mucosal damage may contraindicate the use of gastric lavage .

**Aggravated Medical Conditions:** None known.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** The product is not flammable. Dry chemical, water spray, foam, carbon dioxide.

**Specific hazards:** None known.

**Unusual hazards:** Corrosive material (See sections 8 and 10).

**Specific methods:** No special methods required.

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

**Extinguishing media which must not be used for safety reasons:** None.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Put on appropriate personal protective equipment (see Section 8.).  
**Environmental precautions and clean-up methods:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## 7. HANDLING AND STORAGE

**Handling:**  
Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing and footwear before re-use. Do not taste or swallow. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Do not mix with any other product or chemical . FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:**  
Keep tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:**  
General room ventilation is adequate. Respiratory protection is not required if good ventilation is maintained .

### Personal Protective Equipment

**Eye protection:** Chemical splash goggles.  
**Hand protection:** Chemical resistant gloves. Includes. rubber gloves. neoprene gloves.  
**Skin and body protection:** If major exposure is possible, wear suitable protective clothing and footwear.  
**Respiratory protection:** No special requirements under normal use conditions. In case of insufficient ventilation wear suitable respiratory equipment.  
**Hygiene measures:** Avoid contact with skin, eyes and clothing . Handle in accordance with good industrial hygiene and safety practice .

Ingredient	CAS #	ACGIH	OSHA	Mexico
Sodium hydroxide	1310-73-2	2 mg/m <sup>3</sup> (Ceiling)	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup> (Ceiling)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b> Liquid	<b>Appearance:</b> Liquid
<b>Color:</b> Straw	<b>Boiling point/range:</b> Not determined
<b>Odor:</b> Ammoniacal	<b>Melting point/range:</b> Not determined
<b>Specific gravity:</b> 1.35	<b>pH:</b> 13.0
<b>Dilution pH:</b> No information available	<b>Density:</b> 1.35
<b>Bulk density:</b> No information available	<b>Decomposition temperature:</b> Not determined
<b>Vapor density:</b> No information available	<b>Autoignition temperature:</b> No information available
<b>Evaporation rate:</b> No information available	<b>Solubility:</b> Soluble
<b>Solubility in other solvents:</b> No information available	<b>VOC:</b> 0.0
<b>Viscosity:</b> No information available	<b>Flash point:</b> Not applicable
<b>Partition coefficient (n-octanol/water):</b> No information available	

## 10. STABILITY AND REACTIVITY

**Stability:** The product is stable  
**Polymerization:** Hazardous polymerisation does not occur  
**Hazardous decomposition products:** None reasonably foreseeable.  
**Materials to avoid:** Acids. Oxidising agents. Do not mix with any other product or chemical.  
**Conditions to avoid:** Do not mix with any other product or chemical .

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity** Corrosive .  
**Component Information:** See Section 3  
**Chronic toxicity:** None known  
**Specific effects**  
**Carcinogenic effects:** None known  
**Mutagenic effects:** None known  
**Reproductive toxicity:** None known  
**Target organ effects:** None known

## 12. ECOLOGICAL INFORMATION

**Environmental Information:** When used for its intended purpose this product should not cause adverse effects in the environment

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:**

Undiluted product is regulated under environmental and transportation laws as a corrosive waste . Dispose of according to all federal, state and local applicable regulations .

## 14. TRANSPORT INFORMATION

**DOT/TDG:** Please refer to the Bill of Lading/receiving documents for up to date shipping information

## 15. REGULATORY INFORMATION

**International Inventories**

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Australia (AICS), Korea (ECL).

**U.S. Regulations**

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

**STATE RIGHT TO KNOW**

Ingredient	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:	ILRTK:	CTRTK:
Water	7732-18-5	-	-	-	-	-	-
Sodium hydroxide	1310-73-2	Listed	Listed	Listed	Listed	Listed	Listed

**CERCLA / SARA**

Ingredient	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Sodium hydroxide	1310-73-2	30 - 40%	1000		

**Canada**

**WHMIS hazard class:** E Corrosive material .



## 16. OTHER INFORMATION

**Reason for revision:** Not applicable

**Prepared by:** NAPRAC

**Additional advice:** None

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