

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 ³ (Ceiling)	2 mg/m ³	2 mg/m ³ (Ceiling)

9. PHYSICAL AND CHEMICAL PROPERTIES

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