

DRA 90485

MATERIAL SAFETY DATA SHEET

Page 1 of 4

MSDS # 126061002

INSTITUTIONAL FORMULA DRANO

Date Issued: 18Jun1997

Supersedes: 07Jul1994

Drackett Professional A Division of S.C. Johnson Commercial Markets, Inc. 8310 16th Street Sturtevant, Wisconsin 53177-0902 Phone: (800) 725-6737 Emergency Phone: (800) 851-7145	HAZARD RATING ----- 4-Very High 3-High 2-Moderate 1-Slight 0-Insignificant	HMIS ----- 3 0 1 Special	HAZARD ----- Health Flammability Reactivity Special	NFPA ----- 3 0 1
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----- SECTION 1 - PRODUCT IDENTIFICATION -----

PRODUCT NAME..... INSTITUTIONAL FORMULA DRANO
 REASON FOR CHANGE..... No significant changes.
 PRODUCT USE..... Industrial/Institutional: Cleaning product

UPC	SCJ CODE	QUANTITY	US SIZE	CANADIAN SIZE
19800 90485	90485	12	32 oz.	

----- SECTION 2 - INGREDIENT INFORMATION -----

INGREDIENT	WEIGHT%	EXPOSURE LIMIT/TOXICITY
[PA NJ MA] Sodium Hydroxide (CAS# 1310-73-2) ..	30-35	2 mg/m ³ ACGIH/OSHA CEILING LD50: 140-340 mg/kg (oral-rat) LC50: >40 mg/m ³ (inhalation-rat) 1 hr.
Water (CAS# 7732-18-5)	65-70	NOT ESTABLISHED

----- SECTION 3 - HEALTH HAZARDS IDENTIFICATION (Also See Section 11) -----

ROUTE(S) OF ENTRY..... Eye contact. Skin contact.
 EFFECTS OF ACUTE EXPOSURE:
 EYE..... Corrosive: May cause: Permanent eye damage.
 SKIN..... Corrosive: May cause: Chemical burns.
 INHALATION..... May cause: Irritation to nose, throat and respiratory tract.
 INGESTION..... Corrosive to mouth and digestive tract.
 MEDICAL CONDITIONS..... None known.
 GENERALLY RECOGNIZED
 AS BEING AGGRAVATED
 BY EXPOSURE

----- SECTION 4 - FIRST AID MEASURES -----

EYE CONTACT..... If eye contact occurs, remove contact lenses. Flush immediately with plenty of water for at least 15 to 20 minutes. Seek immediate medical attention.
 SKIN CONTACT..... Immediately remove contaminated clothing, shoes & leather goods. Rinse with plenty of water. Seek immediate medical attention.
 INHALATION..... Remove to fresh air. If breathing is affected, get medical attention.
 INGESTION..... Do not induce vomiting! Immediately drink 1-2 glasses of water or milk. Seek immediate medical attention.

----- SECTION 5 - FIRE AND EXPLOSION INFORMATION -----

FLASH POINT..... Not applicable.

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SECTION 5 - FIRE AND EXPLOSION INFORMATION (continued)

FLAMMABLE LIMITS..... Not applicable.
AUTOIGNITION..... Not applicable.
TEMPERATURE
EXTINGUISHING MEDIA.... Foam. CO2. Dry chemical. Water fog.
SPECIAL FIREFIGHTING... Fire fighters should wear self-contained breathing apparatus and
PROCEDURES protective clothing.
UNUSUAL FIRE AND..... No special hazards known.
EXPLOSION HAZARDS

SECTION 6 - PREVENTIVE RELEASE MEASURES

STEPS TO BE TAKEN IN... Absorb with oil-dri or similar inert material. Sweep or scrape up
CASE MATERIAL IS and containerize. Rinse affected area thoroughly with water.
RELEASED OR SPILLED Wear/use appropriate protective equipment.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONARY..... DANGER: CORROSIVE: May burn skin and damage eyes. Harmful or
INFORMATION fatal if swallowed. Contains: sodium hydroxide. Avoid contact
with skin, eyes and clothing. Wash hands thoroughly after
handling. Keep out of reach of children.
OTHER HANDLING AND..... Store in a cool, dry place with adequate ventilation.
STORAGE CONDITIONS

SECTION 8 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION. No special requirements under normal use conditions.
VENTILATION..... General room ventilation adequate.
PROTECTIVE GLOVES..... Long rubber gloves.
EYE PROTECTION..... Face shield. Avoid the use of contact lenses when handling this
material.
OTHER PROTECTIVE..... If major exposure is possible to eyes/skin, wear/use appropriate
MEASURES protective equipment.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

COLOR..... Clear Straw-colored
PRODUCT STATE..... Liquid.
ODOR..... Ammonia-like
pH..... > 13
ODOR THRESHOLD..... Not available.
SOLUBILITY IN WATER.... Complete
SPECIFIC GRAVITY..... 1.35
(H2O=1)
VAPOR DENSITY (AIR=1).. > 1.0
EVAPORATION RATE (BUTYL ACETATE=1) < 1.0
VAPOR PRESSURE (mm HG). Not available.
BOILING POINT..... 248°F (120°C)
FREEZING POINT..... 32°F (0°C)
COEFFICIENT OF..... Not available.
WATER/OIL
CENT VOLATILE BY.... Not available.
VOLUME (%)

MATERIAL SAFETY DATA SHEET

Page 4 of 4

MSDS # 126061002

INSTITUTIONAL FORMULA DRANO

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----- SECTION 15 - REGULATORY INFORMATION -----

WHMIS CLASSIFICATION... Not applicable.

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

All ingredients in this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

This product is not subject to the reporting requirements under California's Proposition 65. These ingredients from Section 2 are subject to the following reporting requirements:

- PA - The Pennsylvania Hazardous Substance List
- NJ - The New Jersey Right to Know Hazardous Substance List
- MA - The Massachusetts Hazardous Substance List

----- SECTION 16 - OTHER INFORMATION -----

ADDITIONAL INFORMATION. Use as directed.
EPA REGISTRATION #..... Not applicable.

----- PREPARATION INFORMATION -----

PREPARED BY..... Manufacturer's Technical Support Department. Refer to page 1
(Manufacturer) for contact information.

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PRINT DATE: 30Jul1998

MATERIAL SAFETY DATA SHEET

Page 3 of 4

MSDS # 126061002

INSTITUTIONAL FORMULA DRANO

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----- SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (continued) -----

VOLATILE ORGANIC..... Not applicable.
COMPOUND (VOC)
THEORETICAL VOC..... Not applicable.
(LB/GAL)

----- SECTION 10 - STABILITY AND REACTIVITY -----

STABILITY..... Stable
STABILITY - CONDITIONS. No special requirements.
TO AVOID
INCOMPATIBILITY..... Strong acids (eg., muriatic acid). Strong oxidizing materials
(e.g. liquid chlorine). 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..... Will not occur.
POLYMERIZATION
HAZARDOUS..... None known.
POLYMERIZATION -
CONDITIONS TO AVOID

----- SECTION 11 - TOXICOLOGY INFORMATION (Also See Section 3) -----

LD50 (ACUTE ORAL TOX).. Estimated to be less than 500 mg/kg (rats).
LD50 (ACUTE DERMAL TOX) Not available.
EFFECTS OF CHRONIC..... None known.
EXPOSURE
SENSITIZATION..... None known.
CARCINOGENICITY..... None known.
REPRODUCTIVE TOXICITY.. None known.
TERATOGENICITY..... None known.
MUTAGENICITY..... None known.

----- SECTION 12 - ECOLOGICAL INFORMATION -----

ENVIRONMENTAL DATA..... Not available.

----- SECTION 13 - DISPOSAL CONSIDERATIONS -----

WASTE DISPOSAL..... Disposal of undiluted product is regulated under environmental
INFORMATION and transportation laws as a corrosive waste.

----- SECTION 14 - TRANSPORTATION INFORMATION -----

US DOT INFORMATION..... Please refer to the Bill of Lading/receiving documents for
up-to-date shipping information.
CANADIAN SHIPPING NAME. Not applicable.
TDG CLASSIFICATION..... Not applicable.
PIN/NIP..... Not applicable.
PACKING GROUP..... II
EXEMPTION NAME..... Not applicable.