

MATERIAL SAFETY DATA SHEET

This MSDS complies with 29 CFR 1910.1200 OSHA's Hazard Communication Standard.

PRODUCT: DRAIN OPENER PRO
DATE PREPARED: 01/08/2002

PCP 65-90633
DATE UPDATED: NEW

HAZARD RATING	HMS	HAZARD	NFPA
4 - Very High	3	Health	3
3 - High	0	Flammability	0
2 - Moderate	0	Reactivity	0
1 - Slight	0	Personal Protection	0

SECTION I SOURCE AND EMERGENCY PHONE CONTACTS:

NATIONAL PRODUCTS LLC
1st Road, Kingsbury Industrial Park
Kingsbury, IN 46345

EMERGENCY PHONE NO. : (800)252-4743
CHEMTREC: (800)424-9300

SECTION II INGREDIENT INFORMATION

Chemical Identity/Common Name	CAS#	OSHA PEL ACGIH	TWA TLV	Wt %
Sodium Hypochlorite	781529	1 ppm (Chlorine)	1 ppm (Chlorine)	<7
Sodium Hydroxide	1310732	2mg/M3	2mg/M3	<6
Sodium Silicate	1344098	N.E.	N.E.	<1
Surfactant Blend	Proprietary	N.E.	N.E.	<5
Water	7732-18-5	N.E.	N.E.	Balance

SECTION III HEALTH HAZARD IDENTIFICATION (Also See Section XI)

ROUTE(S) OF ENTRY - Eye and Skin Contact.

EFFECTS OF ACUTE EXPOSURE:

EYE: May cause chemical burns.

SKIN: May cause severe skin irritation and chemical burns.

INGESTION: Causes severe damage to digestive tract.

INHALATION: Higher inhalation exposures may lead to corrosion of mucosal surfaces with temporary lung irritation with cough.

MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE: May exacerbate existing dermatitis, will aggravate respiratory diseases.

SECTION IV FIRST AID MEASURES

EYE CONTACT - Remove any contact lenses. Flush immediately with plenty of water for at least 30 minutes, holding eyelids open all the time. Get immediate medical attention. SKIN CONTACT - Immediately flush with cold water for at least 15 minutes. Remove all contaminated clothing and shoes while in the shower. Get medical attention. INHALATION - Move to area free from further exposure. INGESTION - If swallowed do not induce vomiting. Give large quantity of water. Contact nearest poison control center. Due to corrosive nature, product may cause esophageal damage. Never give anything by mouth to an unconscious person.

SECTION V FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): > 212°F Flammable Limits: LEL: N.E. UEL: N.E.

Extinguishing Media: Dry chemical, foam, carbon dioxide or water.

Special Fire Fighting Procedures: Keep personnel removed and upwind of fire. Cool tank/container with water spray. Use National Institute of Occupational Safety and Health (NIOSH) certified gas mask, use self-contained breathing apparatus.

Unusual Fire and Explosion Hazard: Material is a strong oxidizer. Contact with combustible may initiate or promote combustion. Decomposition product may include chlorine.

SECTION VI PREVENTIVE RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Prevent additional discharge of materials if possible to do without hazard. Dike large spills. Absorbed with oil dry or similar inert material. Sweep or scrape up and containerize. Wear/use appropriate protective equipment. Dispose of according to Federal, State and Local regulation.

SECTION VII HANDLING AND STORAGE

PRECAUTIONARY INFORMATION: DANGER: Harmful if swallowed. Corrosive. Avoid breathing vapors and contact with eyes and skin.

OTHER HANDLING AND STORAGE CONDITIONS: Store at room temperature. Wash thoroughly after handling.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: No special requirements under normal use conditions.

VENTILATION: General room ventilation adequate.

PROTECTIVE GLOVES: Use chemical resistant gloves.

EYE PROTECTION: No special requirements under normal use conditions.

OTHER PROTECTIVE MEASURES: No special requirements under normal use conditions.

SECTION IX PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: >300° F

Melting Point: N.A.

Evaporation Rate (nButyl Acetate=1): N.E.

Freezing Point: N.A.

Appearance & Odor: Clear slightly viscous liquid with light chlorine odor

Specific Gravity (Water = 1.0): 1.07

Vapor Density: N.E.

Theoretical VOC: N.A.

Percent Volatile by Volume: N.A.

Vapor Pressure: N.E.

Solubility in Water: Complete

pH: >13.5

SECTION X STABILITY AND REACTIVITY

STABILITY: STABLE

STABILITY CONDITIONS TO AVOID: None known.

INCOMPATIBILITY: Never use or mix with other chemicals. Mixing with other cleaning products may produce toxic gas. Can react generating chlorine gas. If this occurs leave area immediately. Do not return for at least half hour. Ventilate if possible.

HAZARDOUS DECOMPOSITION PRODUCTS: Chlorine, CO₂ & CO

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID: None

SECTION XI TOXICOLOGY INFORMATION (Also see Section III)

EFFECTS OF CHRONIC EXPOSURE: None of the components present in this material are listed by IARC, NTP, OSHA OR ACGIH as carcinogen. Individuals with preexisting diseases of the lungs may have increased susceptibility to the toxicity or excessive exposures.

SECTION XII ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA : Not available, however all treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State and Local regulations. Do not flush to surface water or sanitary water system.

SECTION XIII DISPOSAL CONSIDERATIONS

WASTE DISPOSAL INFORMATION: Observe all applicable Federal/ Provincial/ State regulations and Local/ municipal ordinances regarding disposal.

SECTION XIV TRANSPORTATION INFORMATION

US DOT INFORMATION: COMPOUNDS CLEANING LIQUID (Contains Sodium Hypochlorite), 8, NA 1760, III CORROSIVE

SECTION XV REGULATORY INFORMATION

CONSULT Federal, State and Local regulations.

SECTION XVI OTHER INFORMATION

ADDITIONAL INFORMATION: USE AS DIRECTED

EPA REGISTRATION NO.: Not Applicable