

Safety Data Sheet
DRAIN-X

SECTION I – IDENTIFICATION

PRODUCT NAME: DRAIN-X
PRODUCT CODE: 2980
PRODUCT USE: Drain Opener
COMPANY NAME: ATCO International
COMPANY ADDRESS: 1401 Barclay Circle,S.E., Marietta, GA 30060
COMPANY PHONE: (770) 424-7550
EMERGENCY PHONE: (800) 255-3924

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Skin Corrosion/Irritation Category 1A
Eye Damage/Irritation Category 1

HAZARD STATEMENT(S): DANGER: Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENTS: Wash hands thoroughly after handling. Wear protective gloves,/ protective clothing/ eye protection/ face protection. May be corrosive to metals. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor. **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. Call a poison center or doctor if you feel unwell. **IF ON SKIN (OR HAIR):** Immediately remove all contaminated clothing. Rinse skin with water/shower. **IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Store locked up in a well ventilated place. Dispose of contents/container in accordance with local/regional/national/international regulations.

SYMBOL:



HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION OF INGREDIENTS

Hazardous Ingredient	CAS Number	Weight Percent (%)
Sodium Hydroxide	1310-73-2	25-50

SECTION IV – FIRST AID MEASURES

EYES: Flush eyes with cool running water for several minutes and call for IMMEDIATE MEDICAL ATTENTION. If possible, wash immediately with 5% Boric acid solution. Washing eyes within several seconds is essential to achieve maximum effectiveness.

INGESTION: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. (If available, drink vinegar, lemon or orange juice followed by mineral oil. GET MEDICAL ATTENTION IMMEDIATELY.

INHALATION: Remove to fresh air. If breathing has stopped give artificial respiration. Get IMMEDIATE MEDICAL ATTENTION.

SKIN: In case of contact, immediately flush skin with soap and plenty of water. (If available, also use vinegar to wash contact area). Remove contaminated clothing and shoes. Wash and thoroughly clean contaminated clothing and shoes before reuse. Get medical attention.

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ACUTE HEALTH HAZARDS: INHALATION: Inhalation of fumes or mist can result in irritation or burns to the upper respiratory tract and lungs, pulmonary edema can also occur. **EYE CONTACT:** May cause permanent eye injury or blindness. **SKIN CONTACT:** Causes skin damage. **SKIN ABSORPTION:** Product is very corrosive to skin. **INGESTION:** Harmful if swallowed. Corrosive effects. Can cause severe burns and complete tissue perforation of mucous membranes of mouth, throat, and stomach.

CHRONIC HEALTH HAZARDS: Ingestion of this product is corrosive causing tissue damage in the mouth and esophagus. Can be fatal if left untreated by competent medical personnel.

NOTE TO PHYSICIAN: May aggravate existing eye, skin, or upper respiratory conditions.

SECTION V – FIRE-FIGHTING MEASURES

OSHA FLAMMABILITY CLASSIFICATION: Not Regulated

EXTINGUISHING MEDIA: In case of fire, use water fog, dry chemical carbon dioxide, or “alcohol” foam. Water stream may be ineffective and may result in spreading the fire. Water spray (fog) is particularly effective.

UNSUITABLE EXTINGUISHING MEDIA: Water in stream for may be ineffective and may result in spreading the fire.

SPECIAL FIRE FIGHTING PROCEDURES: If water is used, fog nozzles are preferable. Water may be used to cool closed containers in order to prevent pressure build up which may result in an explosion.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None. However, containers may burst if overheated in fire. Cool containers using water spray or water fog nozzles.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and various hydrocarbons.

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Please use protective gloves/ protective clothing/ eye protection/ face protection.

SPILL: Stop source of spill. Absorb with inert absorbent material and dispose of in a manner consistent with applicable regulations.

WASTE DISPOSAL: Dispose of in accordance with applicable Federal, State, and local regulations.

RCRA STATUS: It is the responsibility of the product user to determine, at the time of disposal, whether a material is hazardous. Check the pH at the time of disposal, if it is greater than 12.5 it must be handled as a RCRA hazardous waste.

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Do not get in eyes, on skin or on clothing. Keep container closed and tightly sealed when not in use. Use good hygiene practices. Store in a cool, dry well-ventilated area, away from incompatible substances. Prevent physical damage. Prevent contact of liquid with human tissue. Do not eat or drink while handling this material. Store in original container.

INCOMPATIBILITY: Acids, strong oxidizers.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Sodium Hydroxide	15ppm	10ppm

ENGINEERING CONTROLS / VENTILATION: Local mechanical exhaust to provide normal ventilation.

RESPIRATORY PROTECTION: Wear an appropriate, properly fitted vapor respirator during application of this product in a confined space.

PERSONAL PROTECTIVE EQUIPMENT: PROTECTIVE GLOVES: Impervious rubber or vinyl gloves must be used. **EYE PROTECTION:** Use safety eyewear designed to protect against splash of liquids. **OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Synthetic apron to protect against splash of liquids and face shield are also recommended.

ADDITIONAL MEASURES: Wash thoroughly after handling. Eye wash station and shower in close proximity to use are advised.

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SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Liquid
ODOR: Odorless
ODOR THRESHOLD: N/A
BOILING POINT: 240-284°F
FREEZING POINT: ND
FLAMMABILITY: Not considered a flammable liquid by OSHA
FLASH POINT: None
AUTOIGNITION TEMPERATURE: ND
LOWER FLAMMABILITY LIMIT: ND
UPPER FLAMMABILITY LIMIT: ND
VAPOR PRESSURE (mm Hg): 110-113
VAPOR DENSITY (AIR=1): 1
EVAPORATION RATE: ND
SPECIFIC GRAVITY (H₂O=1): 1.24-1.53
DENSITY: 12.10 lb/gl
pH: Concentrated: >13
SOLIDS (%): ND
SOLUBILITY IN WATER: Completely Soluble
PARTITION COEFFICIENT: ND n-OCTANOL/WATER (K_{ow}): ND
VOLATILITY INCLUDING WATER (%): ND
VOLATILE ORGANIC COMPOUNDS (VOC): None
DIELECTRIC STRENGTH (Volts): ND
DECOMPOSITION TEMPERATURE: ND
VISCOSITY: ND

SECTION X – STABILITY AND REACTIVITY DATA

REACTIVITY: Produces heat when mixed with water.
CHEMICAL STABILITY: Product is stable under normal conditions.
CONDITIONS TO AVOID: Avoid mixing with acidic or oxidizing materials.
INCOMPATIBILITY: Acids, Strong oxidizers.
HAZARDOUS DECOMPOSITION OR BY-PRODUCT: Thermal decomposition and or burning may produce oxides of carbon and various hydrocarbons.

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

HAZARDOUS INGREDIENT	RESULT	SPECIES	DOSE
Sodium Hydroxide	LD50 ORAL	RAT	300-500 mg/kg
Sodium Hydroxide	LD50 DERMAL	RABBIT	2 g/kg

ROUTES OF ENTRY: Inhalation, Eye Contact, Skin Contact, Ingestion
EYES: Liquid Contact will cause severe eye burns. Causes serious eye damage.
INGESTION: If swallowed this material causes digestive tract burns. Harmful if swallowed. Aspiration of this material into the lungs may result in damage or death.
INHALATION: Excessive inhalation of high concentration may be harmful. Mist or vapor can irritate the throat and lungs.
SKIN: Contact causes severe skin burns. Severity depends on the amount and duration of exposure.
MEDICAL CONDITION AGGRAVATED: May aggravate existing eye, skin, or upper respiratory conditions.
CHRONIC HEALTH HAZARDS: Ingestion of this product is corrosive causing tissue destruction in the mouth and esophagus. Can be fatal if left untreated by competent medical personnel.

CARCINOGENICITY: OSHA:NA ACGIH:NA NTP:NA IARC:NA OTHER:NA

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SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Sodium Hydroxide

BIODEGRADABILITY: There is no data available.

BIOACCUMULATION: The product is not expected to bioaccumulate. **SOIL MOBILITY:** There is no data available.

OTHER ECOLOGICAL HAZARDS: May be harmful to aquatic life due to sodium hydroxide. No other adverse effects are expected.

SECTION XIII --- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with applicable Federal, State, and local regulations.

RCRA STATUS: Under RCRA regulations, it is the responsibility of the product user to determine, at the time of disposal, whether a material is hazardous.

SECTION XIV – TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Sodium Hydroxide solution

HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 1824

PACKAGING GROUP: II

AIR SHIPMENT

PROPER SHIPPING NAME: Sodium Hydroxide Solution

HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 1824

PACKAGING GROUP: II

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Sodium Hydroxide Solution

HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 1824

PACKAGING GROUP: II

ENVIRONMENTAL HAZARDS WATER: N/A

SECTION XV – REGULATORY INFORMATION

TSCA STATUS: All chemical components in this product are listed on the TSCA Inventory List, or are exempt from listing.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): The reportable quantity (RQ) for reportable component materials is 1000 lbs. If appropriate, immediately report to the National Response Center (1-800-424-8802) as required by U.S. Federal Law. Also, contact appropriate state and local regulatory agencies.

SARA 311/312 HAZARD CATEGORIES: Acute Health Hazard, Chronic Health Hazard

SARA 313 REPORTABLE INGREDIENTS: (See section II, if applicable)

STATE REGULATIONS: California Proposition 65: None. Sodium hydroxide - Illinois toxic substances disclosure to employee act; Illinois chemical safety act; New York release reporting list; Rhode Island RTK hazardous substances; Pennsylvania RTK; Minnesota; Massachusetts RTK; New Jersey; Louisiana spill reporting

INTERNATIONAL REGULATIONS: WHMIS (Canada): CLASS E: Corrosive liquid.

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NFPA HEALTH: 3
NFPA FLAMMABILITY: 0
NFPA REACTIVITY: 1
NFPA OTHER: None

HMIS HEALTH: 3
HMIS FLAMMABILITY: 0
HMIS REACTIVITY: 1
HMIS PROTECTION: C

SECTION XVI – ADDITIONAL INFORMATION

PREPARATION BY: Jessica Carter
DATE PREPARED: 05/07/2015
REVISION DATE: 05/07/2015

N/A = Not Applicable; N/D = Not Determined

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