

SAFETY DATA SHEET

SECTION I – PRODUCT IDENTIFICATION

Product name: DRAIN OPENER
Product use: Sodium Hypochlorite Household
Chemical family: Mixture

Supplier name and address: Manufacturer name and address:

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SECTION II – HAZARDOUS IDENTIFICATION

Corrosive

Emergency Overview



Form : Liquid
Appearance : Slight yellow

Potential Health Effects

Eye contact : Causes eye irritation on direct contact. Mist or vapour will cause severe irritation and may cause eye damage.

Skin contact : May cause skin irritation upon prolonged contact. If so, it may cause severe skin irritation with blistering and eczema.

Inhalation : Overexposure may cause respiratory tract irritation and difficulty breathing; may cause pulmonary edema

Ingestion : Harmful if swallowed. It causes vomiting, nausea, abdominal pain, and

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weakness. Burning in the mouth and throat. May lead to convulsions, coma and death. May also cause mucosal damage, and diarrhea.

SECTION III – COMPOSITION INFORMATION ON INGREDIENTS

Chemical Name	Common name and Synonyms	CAS #	Concentration
Sodium Hypochlorite	Bleach	7681-52-9	0.51-0.55

SECTION IV – FIRST AID MEASURES

- Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- Swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
- Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

SECTION V – FIRE FIGHTING MEASURES

- Condition of Flammability:** Non-flammable substance. Noncombustible substance.
- Suitable Extinguishing Media:** Use fire-extinguishing media appropriate for surrounding materials. Use Water spray, Alcohol-resistant foam, Dry chemical or Carbon dioxide.
- Unsuitable Extinguishing Media:** Do not use dry chemical extinguishing agents that contain ammonium compounds.
- Special Protective Equipment:** Firefighter should wear proper protective equipment and

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safety contained breathing AND PRECAUTIONS FOR apparatus with full face piece operated in positive pressure mode. Move containers from FIREFIGHTERS fire area if safe to do so. Use water to cool fire exposed containers.

Hazardous Combustion Products

May include and are not limited to: Chlorine; Hydrogen chloride gas; Oxygen; Sodium dioxides.

EXPLOSION HAZARDS

Sensitivity to static discharge: No data available.

Sensitivity to mechanical impact: No data available.

SECTION VI – ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Restrict access to area until completion of clean up. Evacuate personnel to safe areas. Ensure cleanup is conducted by trained personnel only. Do not touch and walk through spilled material. All persons dealing with clean up should wear the appropriate protective equipment including self-contained breathing apparatus. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personnel protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.
- Environmental Precautions:** Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply. Prevent further leakage or spillage if safe to do.
- Methods and Materials For:** Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. CONTAINMENT AND CLEANING sand), then place absorbent material into a container for later disposal. Flush with water. Do not flush into surface water or sanitary sewer system. Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required

SECTION VII: HANDLING AND STORAGE

- Handling Procedures:** Use good industrial hygiene practices in handling this material. Do not eat, drink or smoke when using this product. Use in well ventilated areas. Do not get in eyes, on skin or on clothing. Avoid inhalation of mists/vapours/fumes. Wash thoroughly after handling. Keep container tightly closed.
- Storage Needs:** Keep out of reach of children. Protect from sunlight. Keep container tightly closed. Store in a cool, dry and well-ventilated area. Do not store near acids.
- Storage Temperature:** <30°

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SECTION VIII – EXPLOSION AND PERSONAL PROTECTION CONTROL

General Hygiene Considerations:	Avoid breathing vapor or mist. Avoid contact with skin, eyes and clothing. Remove soiled clothing and wash it thoroughly before reuse. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Do not eat, drink, smoke or use cosmetics while working with this product.
Personal Protection Equipment:	As required by employer. Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workspace.
Eye / Face protection:	Wear safety glasses with side shields or goggles.
Hand protection:	Wear protective gloves. Gloves must be inspected prior to use.
Respiratory protection:	Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s). Use a full-face respirator with multi-purpose combination or Wear self-contained breathing apparatus.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, pale yellow liquid. Translucent.
Colour:	Light Yellow to Clear
Odour:	Chlorine/Bleach odor.
Odour Threshold (ppm):	No information available.
pH:	11.5 – 13.8
Density:	1.00g/ml
% Solid:	N/A
Freezing Point (°C):	-30°C to -20°C.
Boiling Point (°C):	96 to 120°C.
Flash Point (°C):	Not applicable.
Evaporation:	No information available.
Vapour Pressure (mm Hg):	< 2.3 kPa (17.5 mm Hg @ 20°C).
Vapour Density (AIR=1):	Heavier than air.
Solubility in Water (% W/W):	Soluble in cold water.
Coefficient of Water/Oil:	No information available.

SECTION X - STABILITY AND REACTIVITY

Chemical Stability:	Stable under the recommended storage and handling conditions prescribed.
Reactivity:	Reacts with other chemicals such as toilet bowl cleaners, rust removers, acids, or products containing ammonia to produce

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	hazardous irritating gases, such as chlorine and other chlorinated compounds. Contact with some reactive metals may produce flammable hydrogen gas. Corrosive to metals.
Hazardous Polymerization:	Hazardous polymerization cannot occur.
Condition Avoid:	Avoid heat and open flame. Exposure to sunlight. Do not mix with other chemicals.
Incompatibility:	Toilet bowl cleaners, rust removers, acids, reducing agents, other oxidizing agents and products containing ammonia. Avoid contact with the following materials: Urea, Ammonia, Amides, Amines, Nitrogen containing compounds, Combustible materials, Organic materials, Metals, Reducing materials, Hydrocarbons materials, Alcohols, Ether. Contact with Magnesium, galvanized Zinc, Tin, Chromium, Brass and Bronze generates explosive Hydrogen.
Hazardous Product of:	May include and are not limited to: Hydrogen chloride, Chlorine gas, Sodium dioxide. DECOMPOSITION

SECTION XI – TOXICOLOGICAL INFORMATION

Route of Exposure:	Eyes, skin, respiratory system, and digestive system.
POTENTIAL EFFECTS ON HUMANS	
Eye contact:	Causes eye burns. Causes severe eye damage.
Skin contact:	Causes skin burns. Causes skin irritation.
Inhalation:	Harmful if inhaled. May cause respiratory tract irritation or chemical burns.
Ingestion:	Harmful if swallowed. May cause severe irritation and corrosive damage to mouth, throat, and stomach.
Chronic Effects on Humans:	Safe handling of this material on a long-term basis should emphasize the prevention of all contact with this material to avoid any effects from repetitive acute exposures.
Sensitization:	No information available.
Target Organs:	Contains material which may cause damage to the following organs: upper respiratory tract, skin, eye, lens of cornea and stomach.
Carcinogenicity:	No evidence of carcinogenic effects.

SECTION XII – ECOLOGICAL INFORMATION

ECOTOXICITY DATA,	
Sodium:	Acute 96Hrs LC50 Rainbow trout: 0.030 - 0.070 mg/L.
Hypochlorite:	Acute 48Hrs LC50 Daphnia magna:0.032 - 0.036 mg/L.
Sodium Hydroxide:	Acute 96Hrs LC50 fish Guppy Poecilia reticulata:196 mg/L Chronic 96Hrs NOEC fish Guppy Poecilia reticulata:56 mg/L.
MOBILITY IN SOIL:	No information available
BIODEGRADABILITY:	No information available.

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BIOACCUMULATION: No information available.

SECTION XIII – DISPOSAL CONSIDERATION

WASTE DISPOSAL: The disposal of the product must be made in an approved sanitary landfill or in a foundry in accordance with state, provincial and/or federal regulations.

SECTION XIV – TRANSPORTATION INFORMATION

DOT : Not regulated

TDG : Not regulated

IATA : Not regulated

IMDG : Not required

SECTION XV – REGULATORY INFORMATION

Not Regulated

SECTION XVI – OTHER INFORMATION

Prepared by: Basic Packaging Industries Inc.
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