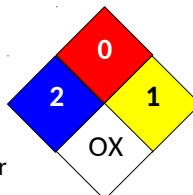


SAFETY DATA SHEET

Professional Drain Opener

SECTION I – PRODUCT AND MANUFACTURER IDENTIFICATION

Product Name: Mister Plumber Hair Clog Remover
 Formula Number: 14002002
 Product Code:
 Product Description: Water-thin liquid with a slight yellow color and bleach odor
 Product Use: Household drain opener, clog remover
 Manufactured For: Ameriplus, Inc
 Address: 535 S Hercules Avenue, Suite 201
 Clearwater, FL 33764
 Phone: (813)-855-6688
 National Poison Control Center: (800)-222-1222



HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	B

SECTION II – HAZARDS IDENTIFICATION

Emergency overview: KEEP OUT OF REACH OF CHILDREN
 Corrosive to eyes, skin and mucous membranes, harmful if swallowed – avoid contact with eyes, skin and clothing

Potential short term health effects: Routes of exposure: eye, skin, inhalation, ingestion
 Eyes: causes severe eye irritation
 Skin: causes severe skin irritation and burns
 Inhalation: causes severe irritation to mucous membranes of respiratory system
 Ingestion: causes severe burns of mouth, throat, esophagus and stomach

Target organs: Eyes, skin, respiratory system

Chronic effects: Repeated or prolonged exposure may permanently damage target organs

Signs and symptoms of exposure: Ingestion: causes severe burns of mouth, throat, esophagus and stomach – symptoms include nausea, vomiting, diarrhea, and possibly death
 Eye Contact: causes severe burns to eye tissues that may result in eye damage or blindness
 Skin Contact: depending on exposure, varies from irritation to severe skin damage including dermatitis, redness, swelling, pain, scarring and possibly death
 Inhalation: depending on exposure, varies from irritation of the nose and throat to severe burns with difficulty breathing, sneezing, shortness of breath and possibly death

SECTION III – HAZARDOUS INGREDIENTS

<u>Component</u>	<u>CAS #</u>	<u>Weight %</u>
Sodium Hypochlorite	7861-52-9	3-10%
Sodium Chloride	7647-14-5	1-4%
Sodium Hydroxide	1310-73-2	1-4%

This product contains no known carcinogens present at or above de minimus level

SECTION IV – FIRST AID MEASURES

Eye Contact: Hold eyes open, remove any contact lenses and immediately flush eyes with plenty of cool water for 15 minutes. Seek immediate medical attention

Skin Contact: Completely remove contaminated clothing, wash skin with cool water and mild soap. If irritation persists, get medical attention

Ingestion: Drink a glassful of water, do not induce vomiting. Never give an unconscious person anything to ingest. Call a doctor or poison control center and seek immediate medical attention

Inhalation: Remove to fresh air. Seek immediate medical attention

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Notes to physician: Contains sodium hydroxide, a strong alkali solution that is highly corrosive to tissues, including mucous membranes – also contains sodium hypochlorite and sodium chloride

SECTION V – FIRE FIGHTING MEASURES

Extinguishing media: Foam, carbon dioxide, dry chemical – adding water to this product may generate large amounts of heat – direct water spray may spread fire – do not get water inside containers

Special protective equipment for firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire-fighting clothing. If protective equipment is not available or not used, fight fire from a protected location or safe distance

Specific hazards during fire-fighting: This product is not combustible, but containers may rupture in a fire situation. Violent steam generation may occur upon application of direct water stream to hot liquids. Thermal decomposition or burning may produce noxious and/or toxic fumes including oxides of carbon and nitrogen. Incomplete combustion may form carbon monoxide. Evacuate downwind personnel

SECTION VI – ACCIDENTAL RELEASE MEASURES

Spill response: Do not touch or walk through spilled material. Stop leak(s) only if you can do so without risk. Prevent release into waterways, sewers, basements or confined areas. Dilute the spilled material with water. Flush spill area with water and cover with sand, clay or dry earth and transfer waste to labeled containers

Other precautions: Evacuate personnel and ventilate area around spill. Keep personnel upwind of spill. Only trained and properly protected personnel must be involved in clean-up operations. Use appropriate safety equipment

SECTION VII – HANDLING AND STORAGE

Keep out of reach of children and pets. Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Do not ingest. Do not mix with other household chemicals, as hazardous gases could be released. Keep container closed when not in use and store in a cool, dry place. Do not reuse empty container. Do not expose product to extreme hot or cold temperatures

SECTION VIII – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits

<u>Component</u>	<u>List</u>	<u>Type</u>	<u>Value</u>
Sodium Hypochlorite	AIHA	STEL	2 mg/m ³
	ACGIH	STEL	2 mg/m ³
Sodium Chloride (as a nuisance dust only)	ACGIH	TLV	10 mg/m ³
Sodium Hydroxide	OSHA	PEL	2 mg/m ³
	OSHA	TWA	2 mg/m ³
	ACGIH	TLV	2 mg/m ³
	NIOSH	IDLH	10 mg/m ³

Personal Protective Equipment (PPE)

Safety glasses, splash goggles and/or face shields are required when handling large quantities of product. Wear chemical-resistant gloves if there is a potential for skin contact. In situations where exposure limits may be exceeded, a NIOSH-approved respirator is recommended

Engineering Controls

Use in area with adequate ventilation to minimize exposure to product mist

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Slightly yellow, clear liquid

Upper flammability limit: Not available

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Odor: bleach/hypochlorite

Lower flammability limit: Not available

pH: 12.3 ± 0.5

Specific gravity: 1.080 ± 0.011

Melting/freezing point: Not available

Solubility in water: Complete

Boiling point: Not available

Partition coefficient: Not available

Flash point: > 212 °F

Auto-ignition temperature: Not available

Evaporation rate: Not available

Decomposition temperature: Not available

Vapor pressure: Not available

SECTION X – STABILITY AND REACTIVITY

Chemical stability: Stable at normal use/storage conditions, will not hazardously polymerize

Conditions to avoid: Avoid contact with aluminum, tin and zinc, avoid exposure to excessive heat and light

Incompatible materials: Do not mix with other chemicals, including acids, reducing agents, ammonia or metals such as nickel, cobalt, copper and iron

Hazardous decomposition products: In presence of acids, chlorine gas may be released – in a fire situation, normal products of combustion will be released

Hazardous reaction possibility: chlorine gas will be released if product comes into contact with incompatible materials

SECTION XI – TOXICOLOGICAL INFORMATION

This product contains no known carcinogens and is not expected to be acutely toxic. If ingested, drink a glassful of water and do not induce vomiting. If in contact with eyes, hold eyes open, remove any contact lenses and immediately flush eyes with plenty of cool water for 15 minutes. Seek immediate medical attention

<u>Component</u>	<u>Acute toxicity, ingestion</u>	<u>Acute toxicity, absorption</u>	<u>Repeated dose toxicity</u>	<u>Developmental toxicity</u>	<u>Reproductive toxicity</u>	<u>Genetic toxicity</u>
Sodium Hypochlorite	3,000-5,000 mg/kg, LD50, rat	>2,000 mg/kg, LD50, mouse	not available	not available	not available	not available
Sodium Chloride	3,000 mg/kg, LD50, rat	>10,000 mg/kg, LD50, rabbit	not available	adverse reproductive effects in humans (fetotoxicity)	increased risk of toxemia of pregnancy in susceptible women	may affect genetic material
Sodium Hydroxide	not available	1,350 mg/kg, LD50, rabbit	chronic effects generally result of long-term irritation	none known	none known	none known

SECTION XII – ECOLOGICAL INFORMATION

Sodium Hypochlorite: Low bio-accumulation and soil mobility potential. Material is inorganic and thus not subject to biodegradability. Extremely toxic to aquatic organisms

Sodium Chloride: Low bio-accumulation potential. Material is inorganic and thus not subject to biodegradability. Moderately toxic to aquatic and terrestrial organisms. No data available on soil mobility

Sodium Hydroxide: Low bio-accumulation potential. Material is inorganic and thus not subject to biodegradability. Moderately toxic to aquatic organisms and slightly toxic to terrestrial organisms. No data available on soil mobility

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SECTION XIII – DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable federal, state and local regulations. Do not reuse empty containers – flush with water and place in appropriate trash or recycling receptacle

SECTION XIV – TRANSPORTATION INFORMATION

US DOT Proper Shipping Name: Hypochlorite solution

US DOT Hazard Class: 8

US DOT ID Number: UN1791

US DOT Packing Group: II

Limited Quantity Exemption possible: Yes, provided that inner packaging is 1.0 liter (33.8 US fluid ounces) or less – see 49 CFR 173.154 for more details

SECTION XV – REGULATORY INFORMATION

TSCA: All ingredients in this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30

FIFRA: This product is not a registered pesticide

CERCLA reportable quantity: 100 lbs Sodium Hypochlorite (approximately 1,190 lbs or approximately 127 gallons finished product)

California Proposition 65: This product contains no listed substances known to the state of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute

SARA Title III 302 extremely hazardous substance: No

SARA Title III 313 reportable ingredients: No

SARA Title III 311/312 hazard categories:	<u>Yes</u>	<u>No</u>
Immediate Hazard	X	
Delayed Hazard	X	
Fire Hazard		X
Pressure Hazard		X
Reactivity Hazard	X	

SECTION XVI – OTHER INFORMATION

This product should only be used as directed on the label and for its intended purpose. This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the manufacturer's control and all chemicals may present unknown hazards and should be used with caution. User is responsible for evaluating all available information when using this product for a particular use and to comply with all applicable federal, state and local laws and regulations.