

MATERIAL SAFETY DATA SHEET

Section 1

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Chemical Name and Synonyms: Sodium Hypochlorite

Trade Name and Synonyms: ProbeClenz

Cat. No.: 610500

Chemical Family: N.A.

Formula: NaOCl

Section 2 - Hazardous Ingredients

Hazardous Mixtures of Liquids, Solids or Gases % TVL
Sodium Hypochlorite 3.00

Section 3 - Physical Data

<u>Boiling Point (F):</u>	>110 C
<u>Specific Gravity (H₂O=1):</u>	1.08
<u>Vapor Pressure (mm Hg):</u>	V.P. of water
<u>Percent Volatile by Volume:</u>	N.A.
<u>Vapor Density (air=1):</u>	N.A.
<u>Evaporation Rate:</u>	N.A.
<u>Solubility in Water:</u>	Soluble
<u>Appearance and Odor:</u>	Yellow liquid, smells like bleach

Section 4 - Fire and Explosion Hazard Data

Flash Point: Nonflammable

Extinguishing Media: N.A.

Special Fire Fighting Procedures: Avoid fumes from spilled or exposed liquid, dilute copiously, ventilate and be prepared to use respiratory protection if needed. Acid contamination will produce very irritating fumes similar to chlorine gas.

Unusual Fire and Explosion Hazards: Bleach decomposes when heated; decomposition products may cause containers to rupture or explode. Vigorous reaction possible with organic materials or oxidizing agents; may result in a fire.

Section 5 - Health Hazard Data

Threshold Limit Value: N.A.

Effects of Overexposure: Irritant, reddening of skin, skin damage. Severe irritation. Causes irritation of membranes of the mouth, throat and stomach pain and possible ulceration.

Emergency and First Aid Procedures:

Eyes: Flush with water for at least fifteen (15) minutes. Consult an eye specialist immediately.

Ingestion: Drink water, milk and obtain medical attention. DO NOT USE BAKING SODA OR ACIDIC ANTIDOTES.

ProbeClenz - Section 6 - Reactivity Data

Stability: Unstable

Conditions to Avoid: Stability decreases with concentration, heat, light exposure, decreases in pH, and contamination with heavy metals, such as nickel, cobalt, copper and iron.

Incompatibility: Avoid contamination with heavy metals (act as catalysts), reducing agents, organic, ether, ammonia and acids.

Hazardous Decomposition Products: Hypochlorous acid (NOCl), chlorine, hydrochloric acid. Composition depends upon temperature and decreases in pH. Additional decomposition products which depend upon pH, temperature and time are sodium chloride, sodium chlorate and oxygen.

Hazardous Polymerization: will not occur

Conditions to avoid: N.A.

Section 7 - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:

DO NOT USE BAKING SODA OR ACIDIC ANTIDOTES. Flush with water to dilute as much as possible, avoid heat and contamination with acid materials. Do not use combustible materials such as sawdust to absorb hypochlorite.

Waste Disposal Method:

Reduce with chemicals such as bisulfite or ferrous salt solutions. Some heat will be produced. Keep on alkaline side and dilute with copious quantities of water. Main end product is salt water.

Section 8 - Special Protection Information

Respiratory Protection: N.A.

Ventilation:

Local Exhaust: N.A.

Mechanical: Ventilated area

Protective Gloves: Rubber

Eye Protection: Safety glasses

Other Protective Equipment: lab coat

Revision Date: July 2009

Section 9 - Special Precautions

Precautions to be taken in handling and storing: Keep container tightly closed and store in well-ventilated area.
Other Precautions: Wash thoroughly after handling. Avoid skin and eye contact.

Section 10 - Transport Information

Transport Regulations: Transportation of this product not regulated according to the definition of hazardous in 49CFR (US DOT). Transportation of this product is also not regulated by IATA, ICAO, Canadian TDG or European ADR.