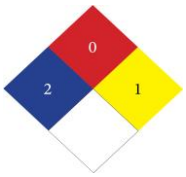
MATERIAL SAFETY DATA SHEET



SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: ULTRA BLEACH			WHMIS Classification: CORROSIVE
Product Use: High performance liquid bleach/sanitizer			
Manufacturer's Name: ULTRA CHEM LABS CORP		Suppliers Name	
Street Address: 4581 BRICKELL PRIVADO		Street Address	
City: ONTARIO	Province / State CA	City	State
Zip Code: 91761	Emergency Telephone: 1-800-535-5053	Zip Code	Emergency Telephone
Date MSDS Prepared: MARCH 2015	MSDS Prepared by: ULTRA CHEM LABS CORP	Phone Number: 909-605-1640	

Hazardous Ingredients (*specific*)	%	CAS Number	LD $_{50}$ of Ingredient (*specify species and route*)	LC $_{50}$ of Ingredient (*specify species*)
WATER	85.5	7732-18-5	N/AP	N/AV
SODIUM HYPOCHLORITE	12.5	7681-52-9	890 mg/kg (oral, rat)	N/AV
SODIUM HYDROXIDE	2	1310-73-2	500 mg/kg (oral, rabbit)	N/AV

SECTION 3 - HAZARDS IDENTIFICATION

Route of Entry: Skin Contact ■ Skin Absorption ■ Eye Contact ■ Inhalation ■ Ingestion ■

[Emergency Overview]
A clear, light yellow-green liquid having a cholorine-like odor.
The liquid may be corrosive to the eyes, skin, and respiratory tract.

[WHMIS Symbols] Class D - Poisonous and Infectious Material Division 2 Materials Causing Other Toxic Effects/Class E - Corrosive material

[Potential Health Effects] Inhalation of mists may be severely irritating or corrosive to the nose, mouth, throat, mucus membranes and lungs. Symptoms of exposure may include shortness of breath, sneezing, coughing, choking, chest pain, impairment of lung function and burns to the respiratory tract with the production of lung edema. Inhalation of high mist concentrations may result in permanent lung damage. Exposure to the liquid or mists may cause severe eye irritation or burns. Sympoms of exposure may include tearing, redness, swelling and pain. Corneal damage with impairment of vision may result from direct contact with the liquid, unless treated promptly. Exposure to the liquid or mists may cause severe skin, irritation or burns. Symptoms of exposure may include redness, swelling, discomfort or pain and possible scab formation. Prolonged skin exposure to the liquid may cause destruction of the dermis with impairment of the skin, at site of contact, to regenerate. No published data indicates this product is absorbed through the skin. Ingestion may cause severe irritation or burns to the entire gastrointestinal tract, stomach & intestines.

SECTION 4 - FIRST AID MEASURES

Skin Contact
Immediately flush skin with plenty of clean running water for at least 15 minutes, while removing contaminated clothing and shoes. If burn or irritation occurs, call the physician.

Eye Contact
Immediately flush eyes gently with water for at least 15 minutes, lifting upper and lower lids occasionally. Remove contact lenses if worn. Seek immediate medical attention.

Ingestion
If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately. If victim is fully conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person.

Ingestion
Seek immediate medical attention. Do not induce vomiting. Vomiting will cause further damage to mouth and throat. If individual is conscious and alert, immediately rinse mouth with water, and give milk or water to drink. If possible, do not leave individual unattended.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable	If yes, under which conditions?
Yes ☐ No ■	

Means of Extinction
Floor with water of CO^2

Flashpoint (°C) and Method	Upper Flammable Limit (% by volume)	Lower Flammable Limit (% by volume)
N/AP	N/AP	N/AP
Autoignition Temperature (°C)	**Explosion Data - Sensitivity to Impact**	**Explosion Data - Sensivity to Static Discharge**
N/AP	N/AP	N/AP

Hazardous Combustion Products
May form chlorine

[NFPA]
NONE

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures
Wearing protective equipment and clothing, dike the spill and pick up the bulk of liquid using pumps or a vacuum truck, or absorb the liquid in sand or a commercial absorbent. Place in approved containers for recovery, disposal, or satellite accumulation. Neutralize the hypochlorite or available chlorine with a dilute solution of Sodium Sulfite or Sodium Thiosulfate. Neutralize the alkalinity, of the remaining liquid, using a dilute acid solution that is appropriate for neutralizing alkaline liquids. Liberally cover the spill area with Sodium Bicarbonate. Flush the spill area with water, collect the rinsates for disposal or sewer, as appropriate. If water spill, wear protective equipment and clothing if contact with hazardous material can occur. Stop or divert water flow. Dike contaminated water and remove for disposal and/or treatment. As appropriate, notify all downstream users of possible contamination.

SECTION 7 - HANDLING AND STORAGE

Handling Procedures and Equipment
Store in cool, dry, well ventilated area away from incompatible materials and products. Protect this product from direct sunlight and heat to avoid deterioration. Do not allow this product to freeze. Open containers slowly to relieve any possible pressure. Do not store in metallic containers. Do not allow this solution to dry out.

Storage Requirements
Store in cool and dry area. Recommended temperature at 15ºC or 59ºF

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits
N/AV ACGIH TLV ☐ OSHA PEL ☐ OTHER (specify) ☐

Specific Engineering Controls (such as ventilation enclosed process)
Use a local or general mechanical exhaust ventilation system capable of maintaining emissions, in the work area, below the OSHA-PEL, Ceiling level, AIHA WEEL or levels that may cause irritation.

Personal Protective Equipment
Gloves ■ Respirator ■ Eye ■ Footwear ■ Clothing ■ Other ☐

If checked, please specify type
Rubber or neoprene
NiOSH approved face piece
Chemical goggles
Butyl Rubber or Natural Rubber boots

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid	Odour and Appearance Chlorine-like and clear, light yellow-green	Odour Threshold (ppm) 0.3 ppm in air (Chlorine)
Specific Gravity Approximately 1.22 @ 20ºC	Vapour Density (air = 1) N/AV	Vapour Pressure (mmHg) N/AV
Evaporation Rate N/AV	Boiling Point (°C) Decomposes at 110 degreesºC (230ºF)	Freezing Point (°C) -26.1ºC. (-15ºF)
pH (as is) 11.0-12.0	Coefficient of Water / Oil Distribution N/AV	[Solubility in Water] 100%

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability Yes ■ No □	If no, under which conditions?
Incompatibility with Other Substances Yes ■ No □	If yes, which ones? Acids, & acidic materials or products, alcohols, amines, Ammonia, chlorinated isocyanurates, flammable or combustible materials, metals & metallic salts, cyanides, detergents, ethers, oxidizable materials, reducing agents and other oxidizers.

Conditions to Avoid:
Avoid heat, sunlight, decrease in pH, and contamination with heavy metals.

Reactivity, and under what conditions?
When mixed with strong acids, reducing agents, excessive heat.

Hazardous Decomposition Products
When heated to dryness and decomposition, it emits toxic chloride fumes plus toxic sodium oxide. This solution will slowly liberate oxygen.

SECTION 11 - TOXICOLOGICAL INFORMATION

Effects of Acute Exposure
Damages eyes, skin, mucus membranes & lungs

Effects of Chronic Exposure
or respiratory disorders

Skin

Irritancy of Product
N/AP

Skin Sensitization N/AP	Respiratory Sensitization
Carcinogenicity -IARC NO	Carcinogenicity - ACGIH NO
Reproductive Toxicity N/AV	Teratogenicity N/AV
Embryotoxicity N/AV	Mutagenicity N/AV

Name of Synergistic Products / Effects
N/AV

SECTION 12 - ECOLOGICAL INFORMATION

Aquatic Toxicity Mobility: N/AV Persistence: N/AV Bioaccumulative: N/AV

Aquatoxicity: N/AV

Acute Crustaceans Toxicity= N/AV Acute Algea Toxicity= N/AV

BOD and COD = N/AV

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal

If this product is disposed of as shipped, it meets the criteria of a hazardous waste as defined under 40 CFR 261 due to its corrosivity. If this product becomes a waste, it will be a hazardous waste, whichis subject to the Land Disposal Restrictions under 40 CFR 268 and must be managed accordingly. As a hazardous liquid waste, it must be disposed of in accordance with local, state and federal regulations in a permitted hazardous waste treatment, storage, and disposal facility.

SECTION 14 - TRANSPORT INFORMATION

Special Shipping Information: Hazard Class: 8 UN Number: UN1791 Paoking Group: III Primary Label: Corrosive

	PIN N/A
TDG: N/A	[DOT] NOT REGULATED
[IMO] N/A	[ICAO] N/A

SECTION 15 - REGULATORY INFORMATION

[WHMIS Classification] Class D Div 2 Materials Causing Other Toxic Effects Class E Corrosive Materials	[OSHA] N/A
[SERA] N/A	[TSCA] N/A

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR

SECTION 16 - OTHER INFORMATION

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.