

# UNIVERSAL LABORATORIES

A DIVISION OF HANSON LORAN COMPANY

## SAFETY DATA SHEET

EPA Reg. No.: 37982-20004-11399 • EPA Est. No.: 11399-CA-001

### 1. Product and company identification

Product Name Chlor San Sodium Hypochlorite 5.25%

UN/ID No. UN1791 Sodium Hypochlorite

#### Recommended use of the chemical and restrictions on use

Recommended use: Bleach for Industrial and Commercial Use Only

Supplier: Universal Laboratories a Division of Hanson Loran Co.  
6700 Caballero Blvd.  
Buena Park, CA. 90620

Manufacturer: Universal Laboratories a Division of Hanson Loran Co.

In case of emergency: **FOR CHEMICAL EMERGENCY**  
**Spill, Leak, Exposure or Incident**  
**Call INFOTRAC • 24-Hour Number**  
**1-800-535-5053 or +1-352-323-3500 (outside USA)**

Product type: Mixture

### 2. Hazards identification

Appearance: Clear yellow liquid

Physical State: Liquid

Odor: Chlorine

#### Classification

Skin Corrosion/irritation

Category 1 Sub-category B

Serious eye damage/eye irritation

Category 1

Signal Word: **Danger**

#### Pictogram:



#### Hazard Statement

Causes severe skin burns and eye damage

#### Precautionary Statements – Preventions

Keep away from Children. Read label before use

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

#### Precautionary Statements – Response

Immediately call a POISON CENTER or doctor/physician

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/physician

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

#### **Precautionary Statements – Storage**

Store locked up

#### **Precautionary Statements –Disposal**

Dispose of contents/container to an approved waste disposal plant.

#### **Other Hazards**

Very toxic to aquatic life and long lasting effects

Very toxic to aquatic life

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### **3. Composition/information on ingredients**

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<b><u>Chemical Name</u></b>	<b><u>CAS No.</u></b>	<b><u>Weight %</u></b>
Sodium hypochlorite	7681-52-9	5.25

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### **4. First aid measures**

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<b>Eye contact:</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Immediately call a POISON CENTER or doctor/physician.
<b>Skin contact:</b>	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Seek medical attention.
<b>Inhalation:</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
<b>Ingestion:</b>	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Drink plenty of water or milk immediately. Immediately call a POISON CENTER or doctor/physician.

#### **Most important symptoms and effects:**

**Symptoms** Causes severe skin burns and eye damage. May cause respiratory irritation. Inhalation may cause burns. Ingestion causes acute irritation and burns to the mucous membranes of the mouth, trachea, esophagus and stomach.

#### **Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

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### **5. Fire-fighting measures**

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#### **Suitable Extinguishing Media**

Using extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined

#### **Specific Hazards arising from the Chemical**

Product is not flammable.

**Hazardous Combustion Products** None known

#### **Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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### **6. Accidental release measures**

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#### **Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Wear protective clothing as described in Section 8 of this safety data sheet

**Environmental precautions:** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological information. See Section 13, Disposal Considerations, for additional information

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Dike spill area and cap leaking container as necessary to prevent further spreading of spilled material. Absorb spilled liquid and suitable material such as dirt or sand.

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## 7. Handling and storage

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### Precautions for safe handling

#### Advice on Safe Handling

Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes, or clothing. Wash face, dust/fume/gas/vapors/ spray

### Conditions for safe storage, including any incompatibilities

#### Storage Conditions

Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Keep from freezing.

#### Incompatible Materials

Strong mineral acids. Strong acids. Metals. Organic materials. Do not mix with other chemicals or cleaners.

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## 8. Exposure controls/personal protection

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### Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Appropriate engineering controls

#### Engineering Controls

Ensure adequate ventilation, especially in confined areas. Local exhaust ventilation recommended. Eyewash stations. Showers.

### Individual-protection measures, such as personal protective equipment

#### Eye/Face Protection

Chemical Anti-splash safety goggles

#### Skin and Body Protection

Rubber gloves. Suitable protective clothing

#### Respiratory Protection

Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection.

#### General Hygiene considerations

Wash contaminated clothing before reuse. Wash face, hands and any exposed skin thoroughly after handling.

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## 9. Physical and chemical properties

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### Information on basic physical and chemical properties

Physical state	Liquid
Flash Point	Clear yellow liquid
Color	Clear yellowish
Odor	Chlorine
Odor Threshold	Not determined
pH	10-11
Melting Point/Freezing Point	Not determined
Boiling Point/Boiling Range	~100 ° C / ~ 212 ° F
Flash Point	Not applicable
Evaporation Rate	Not available
Flammability (Solid, Gas)	Liquid-not applicable
Upper Flammability Limits	Not applicable
Lower Flammability Limit	Not applicable
Vapor Pressure	18 mmHg
Vapor Density	2.5 (Air=1)
Specific Gravity	1.09 (1=Water)
Water Solubility	Completely soluble
Solubility in other solvents	Not determined
Solubility in other solvents	Not determined
Partition Coefficient	Not determined
Auto-ignition Temperatures	Not available
Decomposition Temperatures	Not determined
Kinematic Viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive Properties	Not determined
Oxidizing Properties	Not determined

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## 10. Stability reactivity

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<b>Reactivity</b>	Not reactive under normal conditions
<b>Chemical Stability</b>	Stable under recommended storage conditions
<b>Possibility of Hazardous Reactions</b>	None under normal processing
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Excessive heat. Avoid direct sunlight. Environment
<b>Incompatible Materials</b>	Strong mineral acids. Strong acids, Organic materials, Do not mix with other chemicals or cleaners.
<b>Hazardous Decomposition Products</b>	None known based on information supplied.

## 11. Toxicological information

### Information on likely routes of exposure

#### **Product Information**

<b>Eye Contact</b>	Causes severe eye damage
<b>Skin Contact</b>	Causes severe skin burns
<b>Inhalation</b>	Avoid breathing vapors or mists
<b>Ingestion</b>	Do not taste or swallow

#### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-2	>90 mL/kg (Rat)	-	-
Sodium Hypochlorite 7681-52-9	= 8200 mg/kg (Rat)	>10000 mg/kg (Rabbit)	-

### Information on physical, chemical and toxicological effects

**Symptoms** Please see section 4 of this SDS for symptoms

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested. Group 3 IARC components are “not classifiable as human carcinogens”.

Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium hypochlorite 7681-52-9		Group 3		

**IARC (International Agency for Research on Cancer)**  
Group 3 IARC components are “not classifiable as human carcinogens”

### Numerical measures of toxicity

Not determined

## 12. Ecological information

### Exotoxicity

Very toxic to aquatic life with long lasting effects.

### Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium hypochlorite 7681-52-9	0.095:24 h Skeletonema Costatum mg/L EC50	0.06 – 0.11: 96 h Pimephales promelas mg/L LC50 Flow-through 4.5 – 7.6: 96h Pimephales promelas mg/L LC50 static 0.4 – 0.8: 96 h Lepomis macrochirus mg/L LC50 static 0.28 – 1:96 h Lepomis macrochirus mg/L LC50 flow-through 0.05		2.1: 96 h Daphnia magna mg/L EC50 0.044: 48 H Daphnia magna mg/L EC50 Static

		0.771:96 h Oncorhynchus mykiss mg/L LC50 Flow-through 0.03 – 0.19:96 h Oncorhynchus mykiss mg/L LC50 semi-static 0.18-0.22: 96 h Oncorhynchus mykiss mg/L LC50 static		
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**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. Disposal considerations**

**Waste of Wastes:**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. Transport information**

**NOTE**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. When shipped in containers of 32 oz. or less this material may be reclassified in accordance with DOT regulation 49CFR173.154 as: Limited Quantity.



\* Limited Quantity

**DOT**

Regulatory Information	UN number	Proper shipping name	Classes	PG*
DOT Classification	UN1791	Hypochlorite solutions	8	II
IMDG Class	UN1791	Hypochlorite solutions	8	II
IATA-DGR Class	UN1791	Hypochlorite solutions	8	II

**Marine Pollutant** This material may meet the definition of a marine pollutant

\*PG: Packing group

**15. Regulatory information**

**International Inventories**

Not determined

**Legend**

- TSCA- United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL- Canadian Domestic Substances List/Non-domestic Substances List
- EINECS/ELINCS- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS- Japan Existing and New Chemical Substances
- IECSC- China Inventory of Existing Chemical Substances
- KECL- Korean Existing and Evaluated Chemical Substances

**US Federal Regulations**

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium hypochlorite 7681-52-9	100 lb.		RQ 100 lb. final RQ RQ 45.4 kg final RQ

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Component	CWA – Reportable Quantities	CWA – Toxic Pollutants	CWA – Priority Pollutants	CWA – Hazardous Substances
Sodium hypochlorite 7681-52-9 (<7)	100 lb			X

**US State Regulations:**

California Proposition 65

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium hypochlorite 7681-52-9	X	X	X

**16. Other information**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	Not determined	Not determined	Not determined	Not determined
<b>HMIS</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	3	0	2	B

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**Disclaimer**

The information provided in the Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet