

**UNIVERSAL LABORATORIES**  
**A DIVISION OF HANSON LORAN COMPANY**

**SAFETY DATA SHEET**

EPA Reg. No.: 72315-6-11399 • EPA Est. No.:11399-CA-001

**1. Product and company identification**

Product Name Chlor Plus Sodium Hypochlorite 12.5%

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.

**Print date:** December 21, 2016

**Responsible name:** K.B.

**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**

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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<u>Chemical Name</u>	<u>CAS No.</u>	<u>Weight %</u>
Sodium hypochlorite	7681-52-9	12.5

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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

<b>Personal precautions:</b>	Wear protective clothing as described in Section 8 of this safety data sheet
<b>Environmental precautions:</b>	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological information. See Section 13, Disposal Considerations, for additional information
<b>Methods for Containment</b>	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.
<b>Methods for Clean-up</b>	Pick up and transfer to properly labeled containers.

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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

<b>Physical state</b>	Liquid
<b>Flash Point</b>	Clear yellow liquid
<b>Color</b>	Clear yellowish
<b>Odor</b>	Chlorine
<b>Odor Threshold</b>	Not determined
<b>pH</b>	10-11
<b>Melting Point/Freezing Point</b>	Not determined
<b>Boiling Point/Boiling Range</b>	~100 ° C / ~ 212 ° F
<b>Flash Point</b>	Not applicable
<b>Evaporation Rate</b>	Not available
<b>Flammability (Solid, Gas)</b>	Liquid-not applicable
<b>Upper Flammability Limits</b>	Not applicable
<b>Lower Flammability Limit</b>	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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Reactivity	Not reactive under normal conditions
Chemical Stability	Stable under recommended storage conditions
Possibility of Hazardous Reactions	None under normal processing
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to Avoid	Excessive heat. Avoid direct sunlight. Environment
Incompatible Materials	Strong mineral acids. Strong acids, Organic materials, Do not mix with other chemicals or cleaners.
Hazardous Decomposition Products	None known based on information supplied.

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## 11. Toxicological information

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### Information on likely routes of exposure

#### Product Information

Eye Contact	Causes severe eye damage
Skin Contact	Causes severe skin burns
Inhalation	Avoid breathing vapors or mists
Ingestion	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

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**12. Ecological information**

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**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 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		2.1: 96 h Daphnia magna mg/L EC50 0.044: 48 H Daphnia magna mg/L EC50 Static

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

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**13. Disposal considerations**

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**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.

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**14. Transport information**

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**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

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## **15. Regulatory information**

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### 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
PICCS-	Philippines Inventory of Chemicals and 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

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**16. Other information**

<b>HMS</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	3	0	2	B

**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