

# Safety Data Sheet

## Hypochlorous Acid

chemtex

### Section 1.

#### Chemical Product and Company Identification

In case of any emergency, contact  
Poison Control Center  
**1800-116-117**



Product Name	Hypochlorous Acid		
Product Description	CAS No. 7790-92-3, Neutralized		
Manufacturer's Name	Chemtex Speciality Limited	Supplier's Name	Chemtex Speciality Limited
Address	Haute Street Corporate Park 86A Topsia Road (S), Kolkata 700046	Address	Haute Street Corporate Park 86A Topsia Road (S), Kolkata 700046
Contact Information	Ph: +91-33-7111-1111	Contact Information	Ph: +91-33-7111-1111
Email	info@chemtexlimited.com	Email	info@chemtexlimited.com
SDS Prepared	16/8/2014	SDS Revised	30/3/2018
Emergency Contact	No. +91-33-7111-1111	Mail: info@chemtexlimited.com	

### Section 2.

#### Hazard Identification

Route of Entry Skin, Eye Contact, Ingestion

OSHA Hazard Status Not Regulated

Class	Pictogram (if available)	Hazard	Category	Hazard Statement	P codes
GHS07: Warning - Toxic Category 2 - 3		H315	Cat. 2	Causes skin irritation	264, 280, 302, 352, 321, 332+313, 362
N/A	N/A	H320	N/A	Causes eye irritation	
GHS07: Warning - Toxic Category 2 - 3		H335	Cat. 3	May cause respiratory irritation	261, 271, 304+340, 312, 403+233, 405, 501

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P codes

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P321	Specific treatment
P302+352	IF ON SKIN: Wash with plenty of water
P304+340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P332+313	If skin irritation occurs: Get medical advice/attention.
P362+364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P403+233	Store in a well ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3.

Composition/ Information on Ingredients

Ingredients	CAS No.	% by wt.
Hypochlorous Acid (HOCl)	7790-92-3	0.06 - 0.3
Water	7732-18-5	99.97

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### Section 4. First Aid Measures

Eyes	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of cold water. Get medical attention immediately.
Skin	Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Wash with soap and cover the contaminated skin with an emollient. Wash clothing and shoes before reuse. Seek immediate medical attention.
Ingestion	Do NOT induce vomiting unless directed by any medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

**INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY. IF EXPOSED, CALL POISON CONTROL CENTER/DOCTOR/PHYSICIAN.**

### Section 5. Fire Fighting Measures

Flammable	<b>No</b>		
Flash Point	N/A		
Flammability Point (% by volume)			
Lower	N/A	Upper	N/A
Autoignition Temperature		N/A	
Extinguishing Media		Use extinguishing measures that are appropriate to local circumstances and the surrounding environment	
Fire Fighting Instructions		Exercise caution when fighting chemical fire. A self contained breathing apparatus and protective clothing is essential.	
Fire & Explosion Data		N/A	

### Special Hazards

When heated, liberates toxic fumes

### NFPA Symbol and Label

Health	1
Flamability	0
Reactivity	1
Special Notice	

Hazard Rating
4. Extreme
3. Serious
2. Moderate
1. Minimal
0. Slight

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### Section 6.

#### Accidental Release Measures

Small Spill	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
Large Spill	Corrosive liquid. Do not touch spilled material. Stop leak if without risk. Absorb with dry earth, sand or other non-combustible material. Do not get water inside container. Avoid contact with combustible materials such as wood, paper, oil, clothing. Keep substance damp using water spray. Prevent entry into sewers, basements or confined areas. Call for assistance on disposal.

### Section 7.

#### Handling Measures & Storage

Handling	Keep container dry and tightly closed in a cool, well ventilated area. Separate from acids, alkalis, reducing agents and combustibles. Keep away from heat and other sources of ignition. Do not ingest. Do not breathe gas/fumes/vapor/spray. Avoid contact with skin and eyes. Never add water to this product.
Storage	[P314]Get medical advice/attention if you feel unwell.[P402+404]Store in a dry place. Store in a closed container.[P403+233]Store in a well ventilated place. Keep container tightly closed.[P403+235]Store in a well ventilated place. Keep cool.

### Section 8.

#### Exposure Controls & Personal Protection

Exposure Limits	N/A
Specific Engineering Controls	N/A

#### Personal Protective Equipment

HMIS

PPE

Pictograms

**F**

Safety Glasses  
Gloves  
Apron  
Dust Respirator



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### Section 9. Physico-Chemical Data

Form	Clear liquid
Appearance	Colorless
Odor	Chlorine type
pH (1% Solution)	4.0 - 8.0
Specific Gravity (20°C)	1.0 ± 0.02
Solubility	Soluble in water

#### Additional Physico-chemical Data

Density	N/A
Volatility	N/A
Boiling Point	> 100°C / 212F
Taste	N/A

### Section 10. Stability and Reactivity

Chemical Stability	Stable under normal conditions
Hazardous Polymerization	Will not occur
Conditions to avoid	Strong heat, Incompatible materials
Incompatibility	Oxidizing agents, Reducing agents, Combustible materials, Acids, Alkalis.
Corrosivity	N/A
Special Remarks	Oxides of Chlorine, Amine Vapors

### Section 11. Toxicological Information

Product	Oral LD50 (Rat) [mg/kg]	Dermal LD50 (Rabbit) [mg/kg]	Inhalation LC50 (Rat) [mg/L]
Hypochlorous Acid	>2000	N/A	N/A

Carcinogenicity	Non Carcinogenic
Teratogenicity	Non Teratogenic
Mutagenicity	Non Mutagenic

### Section 12. Ecological Information

BOD	N/A
COD	N/A
Biodegradation	Short term: None; Long term: Long term degradation products may arise.
Marine Pollutant	N/A

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Section 13.  
Disposal Considerations

RCRA Status	N/A
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 14.  
Transport Information

DOT Classification	Class
	Not Regulated

Classification for Air Transport (IATA/ICAO)

Proper Shipping Name	Not Regulated
UN No.	Not Regulated
Packing Group	Not Regulated

Classification for Sea Transport (IMO/IMDG)

Proper Shipping Name	Not Regulated
UN No.	Not Regulated
Packing Group	Not Regulated

Classification for Road Transport (ADR/RID)

Proper Shipping Name	Not Regulated
UN No.	Not Regulated
Packing Group	Not Regulated

Section 15.  
Regulatory Information

OSHA Hazard Status	Not Regulated
HSN	28289090

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### Section 16. Other Information

SDS Creation 16/8/2014

SDS Revision

30/3/2018

#### Abbreviations

N/A	Not Applicable
LEL	Lower Explosion Limit
UEL	Upper Explosion Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
LD50	Lethal Dose Concentration that kills 50% dosed group
LC50	Lethal Concentration that kills 50% of dosed group
PPM	Parts Per Million
LSL	Lower Specification Limit
USL	Upper Specification Limit

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