

Safety Data Sheet

POOL CHLOR

chemtex

Section 1.

Chemical Product and Company Identification






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

Product Name	POOL CHLOR		
Product Description	Trichloroisocyanuric Acid Granules CAS No. 87-90-1		
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@chemtexltd.com	Email	info@chemtexltd.com
SDS Prepared	07-12-2005	SDS Revised	01-10-2021
Emergency Contact	No. +91-33-7111-1111	Mail: info@chemtexltd.com	

Section 2.



Hazard Identification

Route of Entry	Eye Contact, Ingestion, Dermal Contact, Inhalation
Eyes	Burning. Eye damage, blindness on long term exposure
Skin	Irritation with possible burns, long term exposure may lead to dermatitis
Ingestion	GI burns. Repeated or prolonged exposure to the substance can produce target organs damage.
Inhalation	Irritant with possible burning
Sub Chronic, Chronic	May cause damage to skin (dermatitis), eyes (irreversible damage), GI ulceration. Chronic aquatic toxicity category 1

OSHA Hazard Status		Hazardous			
Class	Pictogram (if available)	Hazard	Category	Hazard Statement	P codes
GHS03: Danger Warning - Oxidizing		H272	Cat. 2	May intensify fire; oxidizer	210, 220, 221, 280, 370+ 378, 501
GHS03: Danger Warning - Oxidizing		H272	Cat. 3	May intensify fire; oxidizer	210, 220, 221, 280, 370+ 378, 501
GHS07: Warning - Toxic Category 2 - 3		H302, H315	Cat. 4, Cat. 2	Harmful if swallowed; Causes skin irritation	264, 270, 280, 302, 352, 321, 301+312, 332+313, 362, 330
GHS07: Warning - Toxic Category 2 - 3		H319	Cat. 2	Causes serious eye irritation	264, 280, 305+351+338, 337+ 313
GHS07: Warning - Toxic Category 2 - 3		H335	Cat. 3	May cause respiratory irritation	261, 271, 304+340, 312, 403+ 233, 405, 501

Safety Data Sheet
POOL CHLOR

chemtex

GHS09: Warning - Environment Toxicity		H400	Cat. 1	Very toxic to aquatic life	273, 391, 501
GHS09: Warning - Environment Toxicity		H410	Cat.1	Very toxic to aquatic life with long-lasting effects	273, 391, 501

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.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P220	Keep/Store away from clothing/combustible materials.
P221	Take any precaution to avoid mixing with combustibles.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P321	Specific treatment
P391	Collect spillage.
P301+312	IF SWALLOWED: Call a POISON CENTER/doctor/if you feel unwell.
P302+352	IF ON SKIN: Wash with plenty of water
P304+340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P332+313	If skin irritation occurs: Get medical advice/attention.
P337+313	If eye irritation persists get medical advice/attention.
P362+364	Take off contaminated clothing and wash it before reuse.
P370+378	In case of fire: Use water to extinguish.
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.
Trichloroisocyanuric Acid	87-90-1	90 min.

The information given above is a proprietary property of Chemtex Speciality Limited and it reserves all rights to protect it from being misused

Safety Data Sheet

POOL CHLOR



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	No	
Flash Point	N/A	
Flammability Point (% by volume)		
Lower	N/A	Upper N/A
Autoignition Temperature		240°C/ 464 F
Extinguishing Media		Flood with water. Do not use dry chemicals, carbon dioxide or halogenated extinguishing agents.
Fire Fighting Instructions		Wear NIOSH approved positive-pressure self-contained breathing apparatus. Material which appears undamaged except for being damp on the outside, should be opened and inspected immediately.
Fire & Explosion Data		Thermal decomposition products or combustion: chlorine, nitrogen, nitrogen trichloride, cyanogen chloride, COx, phosgene. Strong oxidizer. above 240°C/ 464 F, this product will undergo self-sustaining decomposition with the evolution of heat and dense noxious gases but no visible flame. Wet material may generate nitrogen trichloride, an explosion hazard.
Special Hazards		Negligible fire hazards

NFPA Symbol and Label

Health	2
Flamability	0
Reactivity	2
Special Notice	

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

Safety Data Sheet

POOL CHLOR

chemtex

Section 6.

Accidental Release Measures

Small Spill	Keep unnecessary people away, isolate hazard area. Do not add water to spilled material. Do not use floor sweeping compounds to clean up spills. Sweep and scoop spilled material into clean, dedicated drums/ barrels. Every attempt should be made to avoid mixing spilled material with other chemicals or debris while cleaning up. Do not attempt to reseal contaminated drums. Do not transport wet or damp material. Damp material should be neutralized to a non-oxidizing state.
Large Spill	Strong oxidizer, this product will undergo self-sustaining decomposition with the evolution of heat and dense noxious gases. Eliminate all ignition sources. Absorb spilled material on commercial oil absorbent or sand. Put the contaminated absorbent into a DOT approved container and dispose of according to the methods outlined in the "Disposal Considerations" section. Do not transport wet or damp material. Damp material should be neutralized to a non-oxidizing state. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.





Section 7.

Handling Measures & Storage

Handling	Store and handle according to NFPA Oxidizer Classification 1 norms. 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.
Storage	Store and handle according to NFPA Oxidizer Classification 1 norms. Store in cool, dry, well ventilated area. Keep away from food, drink and animal feed. Keep container tightly closed and properly labelled. Keep separated from incompatible substances. Observe all recommended safety precautions until container is cleaned, reconditioned, or destroyed. Protect against physical damage. Avoid storage on wood floors.

Section 8.

Exposure Controls & Personal Protection

Exposure Limits	0.5 - 1.0mg/m3 [TWA 8hrs]
Specific Engineering Controls	Provide exhaust ventilation or other engineering controls to keep airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the workstation location. Consult local authorities for acceptable exposure limits.
Personal Protective Equipment	
HMIS	PPE
F	Safety Glasses Gloves Apron Dust Respirator
	Pictograms
	   

Safety Data Sheet

POOL CHLOR



Section 9. Physico-Chemical Data

Form	Granules
Appearance	White
Odor	Characteristic
pH (0.1% solution)	3.0 - 4.0
Specific Gravity	N/A
Solubility	Soluble in water
Additional Physico-chemical Data	
Density @ 25°C	N/A
Molecular Weight	N/A
Boiling Point	N/A
Melting Point	N/A

Section 10. Stability and Reactivity

Chemical Stability	Stable at normal temperature and pressure
Hazardous Polymerization	Will not occur
Conditions to avoid	Avoid contact with oxidizable organic material.
Incompatibility	Acid, ammonia, strong base, hypochlorites, strong reducing agents, organic solvents
Corrosivity	N/A
Hazardous Decomposition	Wet material may generate nitrogen trichloride, explosive hazard.
Special Remarks	N/A

Section 11. Toxicological Information

Product	Oral LD50 (Rat) [mg/kg]	Dermal LD50 (Rats) [mg/kg]	Inhalation LC50 (Rat) [mg/L]
POOL CHLOR	809	> 7000	N/A

Carcinogenicity	N/A
Teratogenicity	N/A
Mutagenicity	N/A

Section 12. Ecological Information

BOD/ COD	N/A
Eco-toxicity	0.08 - 0.37mg/l (96hrs) [Bluegull sunfish] - Highly toxic
Biodegradation	Long term degradation products may arise.
Marine Pollutant	H400, H410

Safety Data Sheet
POOL CHLOR

chemtex

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

5.1: Oxidizing substances



Classification for Air Transport (IATA/ICAO)

Proper Shipping Name	Trichloroisocyanuric acid, dry
UN No.	2468
Packing Group	II

Classification for Sea Transport (IMO/IMDG)

Proper Shipping Name	Trichloroisocyanuric acid, dry
UN No.	2468
Packing Group	II
EMS Codes	F-H, S-Q

Classification for Road Transport (ADR/RID)

Proper Shipping Name	Trichloroisocyanuric acid, dry
UN No.	2468
Packing Group	II

Section 15.
Regulatory Information

OSHA Hazard Status	Hazardous
HSN	29336990

Safety Data Sheet
POOL CHLOR

chemtex

Section 16.
Other Information

SDS Creation

07-12-2005

SDS Revision

01-10-2021

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

© Copyright 2021, Chemtex Speciality Limited

No freedom from any patent owned by seller or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time. Customer is responsible for determining whether products and the information in this document are appropriate for customer's use and for ensuring that customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. Chemtex Speciality Limited or any of its resellers assume no obligation or liability whatsoever for the information in this document.

NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED

Chemtex Speciality Limited

Haute Street Corporate Park, 86A Topsia Road (S)

Tel: +91-33-7111-1111 | Fax: +91-33-7111-1117

Email: info@chemtexltd.com

www.chemtexltd.com

