

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Chloro Glass Sanitizer **EPA REG No. 65169-1**

GENERAL USE: Food contact surface and 3rd sink sanitizer in bars and restaurants.

PRODUCT DESCRIPTION: White or off-white fine powder with a slight chlorine odor.



Manufacturers Name:

Iofina Chemical

DATE PREPARED: 01/15/2008

SUPERSEDES: 05/24/2007

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ADDRESS (NUMBER, STREET, P.O. BOX)

1025 Mary Laidley Drive

TELEPHONE NUMBER FOR INFORMATION / customer service

1-859-356-8000

(CITY, STATE AND ZIP CODE)

COUNTRY

Covington, KY 41017

USA

CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER

North America: 1-800-255-3924

International: +01-813-248-0585

DISTRIBUTOR'S NAME

Not Applicable

ADDRESS (NUMBER, STREET, P.O. BOX)

TELEPHONE NUMBER FOR INFORMATION / customer service

(CITY, STATE AND ZIP CODE)

COUNTRY

DISTRIBUTOR EMERGENCY TELEPHONE NUMBER

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 16)
*Trichloromelamine (TCM)	18.7%	7673-09-8	231-648-4	None listed	None listed
Inert Ingredients	81.3%	NA	NA	NA	NA

Notes: * This chemical substance is not classified in the Annex I of Directive 67/548/EEC.

This chemical substance is not listed in a priority list (as foreseen under Council Regulation (EEC) No 793/93 on the evaluation and control of the risks of existing substances.).

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

POTENTIAL HEALTH EFFECTS

INHALATION: The toxicological properties of this substance have not been fully investigated. Causes irritation of the mucous membrane and upper respiratory tract.

SKIN: May cause severe irritation and possible burns.

EYES: Causes eye irritation. May cause chemical conjunctivitis.

INGESTION: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated. May be harmful if swallowed.

CARCINOGENICITY

NTP? NO

IARC MONOGRAPHS? NO

OSHA REGULATED? NO

Cal. Prop. 65? NO

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Trichloromelamine (TCM or N²,N⁴,N⁶-Trichloro-2,4,6-triamin-1,3,5-triazine).

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SECTION 4 - FIRST AID MEASURES

Use good personal hygiene practices. If skin contact should occur, material should be washed away with a mild soap and water. Wash hands and other exposed areas thoroughly before eating, drinking, smoking or using toilet facilities. Do not smoke, drink or eat in areas where this product is stored or handled.

INHALATION: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

EYES: Remove contact lenses and immediately flush eyes with water for at least 15 minutes. If irritation develops or persists, seek medical attention.

SKIN: Remove contaminated clothing, flush effected area with water for at least 15 minutes. If irritation develops or is persistent seek medical attention. Treat symptomatically if frostbite is suspected and seek medical attention immediately.

INGESTION: Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS: This material is not combustible.

EXTINGUISHING MEDIA: Water spray, dry chemical, carbon dioxide, or appropriate foam.

FIRE FIGHTING PROCEDURES; Dusts at sufficient concentrations can form explosive mixtures with air. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Oxidizer. Greatly increases the burning rate of combustible materials. Ignites on contact with acetone or bases (e.g., ammonia; aniline; diphenylamine).

UNUSUAL FIRE AND EXPLOSION HAZARDS: Ignites on contact with acetone or bases (e.g., ammonia; aniline; diphenylamine).

HAZARDOUS COMBUSTION PRODUCTS: Hydrogen chloride, nitrogen oxides, carbon monoxide, carbon dioxide, chlorine fumes.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Clean up spills immediately, using the appropriate protective equipment. Cover with sand, dry lime or soda ash and place in a closed container for disposal. Remove all sources of ignition. Provide ventilation.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid contact with heat, sparks and flame. Avoid contact with clothing and other combustible materials. Avoid ingestion and inhalation. Do not store near combustible materials. Store in a cool, dry place. Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS

NIOSH

ACGIH

TWA
ppm

TWA
mg/m3

STEL
ppm

STEL
mg/m3

TWA
ppm

TWA
mg/m3

STEL
ppm

STEL
mg/m3

Trichloromelamine (TCM)

NA

NA

NA

NA

NA

NA

NA

NA

MATERIAL SAFETY DATA SHEET			
PRODUCT NAME: Trichloromelamine (TCM or N ² ,N ⁴ ,N ⁶ -Trichloro-2,4,6-triamin-1,3,5-triazine).			Page 3 of 4
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PERSONAL PROTECTION			
RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.			
PROTECTIVE GLOVES: Wear a chemical apron. Wear appropriate protective clothing to prevent skin exposure.			
EYE PROTECTION: Wear safety glasses or chemical goggles if direct exposure is possible.			
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:			
WORK / HYGIENIC PRACTICES: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid contact with clothing and other combustible materials. Avoid ingestion and inhalation.			
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES			
APPEARANCE AND ODOR White or off-white fine powder with a slight chlorine odor.		VAPOR PRESSURE NA	
pH 3.5-4,5 (Buffered at use dilution).		SPECIFIC GRAVITY (WATER = 1) NA	
BOILING POINT / BOILING RANGE NA		SOLUBILITY IN WATER Slight	
FLASH POINT NA		VISCOSITY NA	
FLAMMABLE LIMITS LEL: NA UEL: NA		VAPOR DENSITY (AIR = 1) NA	
AUTOIGNITION TEMPERATURE NA		EVAPORATION RATE (WATER = 1) NA	
SECTION 10 - STABILITY AND REACTIVITY			
STABILITY STABLE X		CONDITIONS TO AVOID: Keep away from heat and incompatible substances. Do NOT mix with acetone or other ketones!	
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents, Strong reducing agents, Acetone and other ketones.			
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Hydrogen chloride, nitrogen oxides, carbon monoxide, carbon dioxide, chlorine fumes.			
HAZARDOUS POLYMERIZATION OCCUR Will Not		CONDITIONS TO AVOID: As Above	
SECTION 11 - TOXICOLOGICAL INFORMATION			
Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Trichloromelamine (TCM)	7673-09-8 231-648-4	NA	NA
SECTION 12 - ECOLOGICAL INFORMATION			
Do not allow product to reach ground water, watercourse or sewage system. Danger to drinking water if even small quantities leak into ground water. Do not allow material to be released to the environment with out proper governmental permits. Environmental fate: Unknown Some detailed chemical, physical and toxicological properties for this chemical have been reported by the US army and H&S Chemical Co. Inc., however not all toxicological data have been collected. This product is registered with the US -EPA , EPA registration number 65146-1 as an active ingredient for formulating disinfectants and sanitizers.			
SECTION 13 - DISPOSAL CONSIDERATIONS			
WASTE DISPOSAL METHOD: Ensure that collection, transport, treatment, and disposal of waste product, containers and rinsate complies with all applicable laws and regulations. It is the responsibility of the product user or owner to determine at the time of disposal, whether the product is regulated as a hazardous waste.			

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SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Corrosive Solid, Acidic, Organic, N.O.S. (Trichloromelamine)
 DOT HAZARD CLASS / Pack Group: 8/PGIII
 49 CFR
 UN / NA IDENTIFICATION NUMBER: UN3261
 Label: Corrosive Symbol:



IATA HAZARD CLASS / Pack Group: 8
 IMDG HAZARD CLASS: UN3261,8, PGIII
 RID/ADR Dangerous Goods Code: NA
 UN TDG CLASS/Pack Group: UN3261,8,PGIII
 EXCEPTIONS: 154

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act); Listed
 SARA TITLE III (USA - Superfund Amendments and Reauthorization Act): Not listed
313 REPORTABLE INGREDIENTS: None

CERCLA (USA - Comprehensive Response Compensation and Liability Act); No RQ listed.
 California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: NO
 CPR (Canadian Controlled Products Regulations) Not Listed
 IDL (Canadian Ingredient Disclosure List) Not Listed
 DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): Not listed
 EINECS (European Inventory of Existing Commercial Chemical Substances): Listed

WGK Water Quality Index: Not Listed

RISK PHRASES:	SYMBOL(S) REQUIRED FOR EU LABEL	SAFETY PHRASES:
None Listed	None Listed	None Listed

SECTION 16 - OTHER INFORMATION

HMIS HAZARD RATINGS	HEALTH:	2	0 = INSIGNIFICANT
	FLAMMABILITY:	0	1 = SLIGHT
	REACTIVITY:	1	2 = MODERATE
	PERSONAL PROTECTIVE EQUIPMENT:	F	3 = HIGH
			4 = EXTREME

REVISION SUMMARY:

Revision 01/152008 includes E.U. hazards information and supersedes previous 05/24/2007 issue.

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.