

# MATERIAL SAFETY DATA SHEET

Date Last revised 06/10/2021

MSDS – 25

SECTION 1. General Information		
Chemical Name & Synonyms 3,4,4'-trichlorocarbanilide	Trade Name & Synonyms TRICLOCARBAN (TCC)	
Chemical Family Chemical Antiseptic	Formula C <sub>13</sub> H <sub>9</sub> Cl <sub>13</sub> N <sub>2</sub> O	
Proper IMO IMDG CODE Shipping N/A	IMO IMDG CODE Hazard Classification N/A	
Manufacturer Ningbo Century Times Import And Export Co., Ltd	Manufacturer's Phone Number T: 0574-87309393 Contact Person: Andy	
Manufacturer's Address No.488, Zhenming Rd, Ningbo, China	CAS NO: 101-20-2	
SECTION 2. Ingredients		
Principal Components	Percent	Threshold Limit Value (Units)
TCC	≥98.0%	
DCC	≤1.0%	
T4CC	≤0.5%	
TAB	≤0.5%	
SECTION 3. Hazards Identification		
This substance is considered to be non-hazardous for transport		
SECTION 4. Physical Data		
Boiling Point(Deg.F.) N/A	Specific Gravity (H2O=1)	
Vapor Pressure(mm Hg) N/A	Percent Volatile By Volume(%) N.E.	
Vapor Density(Air=1) N/A	Evaporation Rate(Air =1) N/A	
Solubility in Water Insoluble in water.	PH N/A	
Appearance & Odor white to grey white powder; Odorless	Melting Point range 250- 255° C	
SECTION 5. Fire & Explosion Data		
Flash Point(Test Method)Auto Ignition Temperature Not Determined	480 deg C(AsTM-D-1929)	
Flammable Limits	LEL	UEL
N/A	N/A	N/A

Extinguishing Media Water, AFFF Protein, Dry Chemical	
Special Fire Fighting Measures: Water Spray, carbon-dioxide, Dry chemical powder or appropriate foam.	
<b>SECTION 6. Toxicological information</b>	
Toxicity Data: Intrapertoneal-mouse lethal dose 50 percent kill at 2100 milligram/kilogram.	
<b>SECTION 7. Exposure control</b>	
Unusual Fire & Explosion Hazards: product may burn if an ignition source is present. Irritating, or toxic substances will be emitted upon burning, combustion, or decomposition. Protect product from flames of any kind; maintain proper clearance when using heat devices, etc. Hydrogen chloride, a combustion product of chlorinated hydrocarbons, has a corrosive effect on many metals. Affected surfaces should be washed with a detergent-based water solution.	
<b>SECTION 8. Health Data</b>	
Non-irritating to eyes, respiratory system and skin. No any ill effects on inhalation, ingestion & skin absorption.	
<b>SECTION 9. Accidental Release Measures</b>	
Symptoms of exposure to decomposition or combustion Irritation of the eyes and respiratory tract. Nausea, Headache, dizziness, vomiting, dry throat, abdominal pain.	
Medical Conditions Aggravated by Exposure None known, however, seek medical attention if constant irritation occurs. If thermal decomposition occurs, upper respiratory, eye, nose, throat and abdominal irritation may result.	
Primary Route(s) of Entry Inhalation of particulates during melt processing or thermal decomposition.	
<b>SECTION 10. First – Aid Measure</b>	
TCC has no harm, no irritating and allergy to skin, and has high safety to environment TCC according to referential dosage would not cause any bad reaction to users. In case of contact with skin and eyes, there is no any danger (Hazard). Wash with soap and plenty of water.	
<b>SECTION 11. Reactivity Data</b>	
STABILITY <input type="checkbox"/> Unstable <input checked="" type="checkbox"/> stable INCOMPATIBILITY Hazardous <input type="checkbox"/> May Occur Polymerization <input checked="" type="checkbox"/> Will Not Occur	<u>Conditions To Avoid</u> None Known <u>Materials To Avoid</u> Acetyl and amine-containing materials.
Decomposition Products Carbon monoxide, carbon dioxide, hydrogen chloride, hydrocarbons, organic compounds.	

<b>SECTION 12 Environmental Protection Procedures</b>	
Spill Response Sweep up for Disposal or reuse.	
Waste Disposal Method Dispose of in accordance with Federal, State and Local regulations. Not hazardous using TCLP-40 CFR 261 App. II	
<b>SECTION 13 Special Protection Information</b>	
Eye Protection	Skin Protection
Glasses with side shields.	
Respiratory protection (Specific Type) – NIOSH approved chemical respirator recommended. If material is being heated, wear an organic respirator. Ventilation Recommended – Local ventilation in dusty conditions or if thermal decomposition occurs.	
Other Protection Gloves and protective garments when handling molten material.	
<b>SECTION 14. TRANSPORTATION INFORMATION</b>	
<b>TRANSPORT BY SEA IMDG:</b>	
3,4,4'-trichlorocarbanilide is not a Marine Pollutant and suitable for marine shipment according to IMO IMDG CODE.	
<b>SECTION 15. DISPOSAL CONSIDERATION</b>	
Mix TCC with combustible solvent and incinerate. Observe all state / local environment regulation.	
<b>SECTION 16. Handling and Storage</b>	
Keep tightly closed. Store in cool & dry place. Away from direct of sunlight. Keep away from heat and open flame. Wear appropriate respirator, gloves, safety goggles and protective clothing while handling.	
NFPA Code: Fire 1, Health 2, Reactivity 0 HMIS Code: Fire 1, Health 0, Reactivity 0	

N.A. = Not Applicable      N.E. = Not Established