



Shree Jay Ambe

Jay Dinesh Chemicals
Quality is Priority



Certificate No. 6709-Q15-002

Office Add. : 303/304, Muridhar Complex,
Opp Fatehpura Post Office, Bhattha, Pidi,
Ahmedabad-380 007 Gujarat, India.
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Unit-2 Add : Survey no. 185/P-186/P,
Nr Saga Laboratory, Chacharwadi-Vasna
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Tele: +91 2717 294247 / 7817 013055
+91 9979317523
Website: www.jaydinesh.com

MATERIAL SAFETY DATA SHEET

TRI CHLORO ACETYL CHLORIDE

1: Manufacturer' Information

Manufactured by: Jay Dinesh Chemicals, Survey No. 185 to 186, Nr. Saga Laboratory Chacharwadi – Vasna, Sarkhej Bawla Highway, Ta. Sanand, Dist. Ahmedabad–382213.

2: Chemical Composition and Information on Ingredients

Chemical name: Tri Chloro Acetyl Chloride
Chemical formula: Cl₃CCOCl
Cas no: 76-02-8
Molecular weight: 182g/ Mol

3: Hazards Identification

Appearance: Clear colorless to slightly yellow liquid.
Danger Causes eye and skin burns. May be fatal if inhaled. Causes digestive and respiratory tract burns. Material hydrolyzes in contact with moisture/ water releasing toxic and corrosive fumes of hydrogen chloride and aqueous hydrochloric acid. May be harmful if swallowed.
Target Organs Eyes, skin, mucous membranes.
Eye Causes eye burns. Lachrymator (substance which increases the flow of tears).
Skin Causes skin burns.
Ingestion Causes gastrointestinal tract burns. May be harmful if swallowed.
Inhalation May be fatal if inhaled. Causes chemical burns to the respiratory tract. Chronic : Chronic exposure may cause effects similar to those of acute exposure.
EC Risk Phrase R 22 26 34

4: First Aid Measures

INHALATION POISON material. If inhaled, get medical aid immediately. Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reused.
EYE CONTACT In case of contact, immediately flush eyes with plenty of water for at least 15 minute. Get medical aid immediately.
INGESTION If swallowed, do NOT induce vomiting. Get medical aid immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.
Note to physician Treat symptomatically and supportively.



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5: Fire and Explosion Data

General Information	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NOISH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. Containers may explode if exposed to fire. Use of water will produce irritating and toxic vapors of hydrogen chloride/hydrochloric acid solutions react with most metals, forming flammable hydrogen gas.
Extinguishing media	Do NOT use water directly on fire. Use carbon dioxide or dry chemical. Do NOT get water inside containers.
Flash Point	Not available.
Autoignition Temperature	Not available.
Explosion Limits, Lower	N/a., Upper : N/a.

6: Accidental Release Measures

PERSONAL PRECAUTION IN CASE OF LEAK OR SPILL :	Evacuate area. Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
ENVIRONMENTAL PRECAUTIONS	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
METHODS FOR CLEANING UP :	Absorb spill with inert material (e.g. dry lime, sand or earth). Do not flush with water. 1

7: Handling And Storage

Handling:	Do not allow water to get into the container because of violent reaction. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Do not allow contact with water. Avoid prolonged or repeated exposure.
Storage:	Store in a cool, dry place. Store in a tightly closed container. Water free area. Store under nitrogen. Keep away from water. Hydrolyses readily.

8: Exposure Controls/Personal Protection

Engineering Controls:	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash station and safety shower is proximal to the work.
Personal Protective Equipment:	Respiratory Protection: Use respirators and components tested and approved under appropriate government standards. Where risk assessment shows air purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.
Hand Protection:	Compatible chemical-resistant gloves.
Eye Protection :	Wear Chemical safety goggles or appropriate protective eyeglasses.
Clothing :	Wear appropriate protective clothing to prevent skin exposure.
General Hygiene Measures:	Wash hands immediately after handling. Wash contaminated clothing before reuse. Discard contaminated shoes.



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9: Physical and Chemical Properties

Physical state:	Liquid
Appearance	Clear colourless to slightly yellow
Odor	Pungent/ irritating odour.
pH	No data available
Melting Point/Range	-57 °C
Boiling Point/Range	114 - 116 °C
Vapor Pressure:	86 hPa at 55°C
Vapor Density:	6.3
Flammability (solid,gas)	No data available
Solubility:	Soluble in ether, alcohol
Relative Density:	1,629 at 25°C
Viscosity:	Not Available
Auto ignition Temp:	Not Available
Oxidizing Properties:	Not Available
Explosion Limits Lower:	Not Available
Partition Coefficient:	Not Available
Saturated Vapor Conc.:	Not Available
Evaporation Rate:	Not Available
Bulk Density:	Not Available
Explosive Properties:	Not Available
Decomposition Temp.:	Not Available
Solvent Content:	Not Available
Water Content:	Not Available
Conductivity:	Not Available

10: Stability and Reactivity Data

Stability:	Stable if stored under proper conditions.
Conditions of Instability:	Reacts violently with water. May decompose on exposure to moist air or water.
Materials to Avoid:	Strong bases, Alcohols, Strong oxidizing agents.
Hazardous Decomposition Products:	Carbon monoxide, Carbon dioxide, Hydrogen chloride gas, Phosgene gas.
Hazardous Polymerization:	has not been reported.

11: Toxicological Information

LD50 Oral – Rat: 600 mg/kg



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LC50 Inhalation- Rat:	4h-475 mg/m3
LD50 Skin - Rat:	662 mg/kg
Epidemiology :	No information available.
Teratogenicity:	No information available.
Reproductive Effects:	No information available.
Mutagenicity :	No information available.
Neurotoxicity :	No information available.
Signs and Symptoms Of Exposure:	Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis, and pulmonary edema. Symptoms of exposure may include burning sensation, coughing wheezing, aryngitis, shortness of breath, headache, nausea and vomiting.

12: Ecological Information

No data available

13: Disposal Considerations

Substance Disposal:	Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.
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14: Transport Information

RID/ADR

UN:	2442
Class :	6.1
PG:	II
Subrisk:	8
Proper Shipping Name:	TRICHLOROACETYL CHLORIDE.

IMDG:

UN:	2442
Class :	6.1
PG:	II
Subrisk:	8
Proper Shipping Name:	TRICHLOROACETYL CHLORIDE.
Marine Pollutant:	No
Severe Marine Pollutant:	No
Technical Name:	Required

IATA

UN:	2442
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Class : 6.1
PG: II
Subrisk: 8
Proper Shipping Name: TRICHLOROACETYL CHLORIDE.
Inhalation Packing Group I: Yes

15. Regulatory information

TSCA CAS # 76-02-8 is listed on the TSCA inventory.

R-PHRASES: R -14 – Reacts violently with water.

R -23/24/25 -Toxic by inhalation, in contact with skin and if swallowed.

R -34 -Causes severe burns.

S-PHRASES:

S -7/8 – Keep container tightly closed and dry.

S -9 - Keep container in a well-ventilated place.

S-26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 - Wear suitable protective clothing, gloves, and eye/face protection. S -

45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S-61 - Avoid release to the environment. Refer to special instructions safety data sheet

16: Other Information :

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall JAY DINESH CHEMICALS be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incident, consequential or exemplary damages, howsoever arising, even if JAY DINESH CHEMICALS has been advised of the possibility of such damages