

Chem Service Inc.

Material Safety Data Sheet

Last Revision Date: 10/27/2011

SECTION 1 - CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Catalog Number: N-13656
Description: Trichloromethanesulfonyl chloride
Other Names: Not Available

Supplied by CHEM SERVICE, Inc. PO BOX 599, WEST CHESTER, PA 19381 (610)-692-3026
EMERGENCY PHONE: 1-610-692-3026

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS: 2547-61-7
Description: Trichloromethanesulfonyl chloride
EINECS No:
Hazard Symbols: N/A
Molecular Weight:
Molecular Formula:

SECTION 3 - HAZARDS IDENTIFICATION

Contact lenses should not be worn in the laboratory
May be harmful by inhalation, ingestion, or skin absorption.
Lachrymator-Causes severe eye irritation.
Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin.
Ingestion may cause severe corrosion of the mouth.
Ingestion may cause severe corrosion of the gastro-intestinal tract.
Causes burns.
Inhalation may be FATAL as a result of spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema.
Symptoms of exposure may include; burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and/or vomiting.
Overall chemical, physical and toxic data has not been thoroughly investigated.

SECTION 4 - FIRST AID MEASURES

An antidote is a substance intended to counteract the effect of a poison. It should be administered only by a physician or trained emergency personnel. Medical advice can be obtained from a POISON CONTROL CENTER.

In case of contact: Flush eyes continuously with water for 15-20 minutes. Flush skin with water for 15-20 minutes.

If no burns have occurred-use soap and water to cleanse skin.

If inhaled remove patient to fresh air. Administer oxygen if patient is having difficulty breathing.

If patient has stopped breathing administer artificial respirations.

If patient is in cardiac arrest administer CPR.

Continue life supporting measures until medical assistance has arrived.

If patient is exhibiting signs of shock - Keep warm and quiet.
If swallowed DO NOT induce vomiting.
Contact Poison Control Center immediately if necessary.
Do not administer liquids or induce vomiting to an unconscious or convulsing person.
If patient is vomiting-watch closely to make sure airway does not become obstructed by vomit.
If swallowed, rinse out mouth with water, providing the person is conscious.
Get medical attention if necessary.
Remove and wash contaminated clothing.

SECTION 5 - FIRE AND EXPLOSION DATA

Flash Point: Extinguishing Media:
Not Available Carbon dioxide or dry chemical powder. DO NOT USE WATER!

Upper Explosion Limit: Lower Explosion Limit: Auto Ignition:
N/A N/A N/A

NFPA Hazard Rating:
Health Flammability Reactivity Special

0 - Least, 1 - Slight, 2 - Moderate, 3 - High, 4 - Severe

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spills or leaks: Evacuate area. Wear appropriate OSHA regulated equipment. Ventilate area.
Absorb on vermiculite or similar material.
Sweep up and place in an appropriate container.
Hold for disposal.
Wash contaminated surfaces to remove any residues.
Remove contaminated clothing and wash before reuse.

SECTION 7 - HANDLING AND STORAGE

Handling:

This chemical should be handled only in a hood. Eye shields should be worn.
Use appropriate OSHA/MSHA approved safety equipment.
Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation
Wash thoroughly after handling.

Storage:

Store in a cool dry place. Store only with compatible chemicals. Store only with compatible chemicals. Keep tightly closed.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA PEL (TWA): ACGIH TLV (TWA): ACGIH TLV (STEL):
N/A N/A N/A

Personal Protective Equipment

Eyes: Wear Safety Glasses.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 requirements must be followed whenever workplace conditions warrant a respirator's use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Color: **Colorless**
Phase: **Amorphous solid**
Melting Point: **138-140 C**
Boiling Point: **N/A C**
Specific Gravity: **N/A**
Vapor Density: **N/A**
Vapor Pressure: **N/A**
Solubility in water: **Insoluble (immiscible)**
Odor: **Pungent, acrid**
Evaporation Rate: **N/A**
Molecular Weight:
Molecular Formula:

SECTION 10 - STABILITY AND REACTIVITY

Reacts with water and most reactive hydrogen compounds.
Decomposed by moisture.
Incompatible with strong bases.
Incompatible with oxidizing agents.
Incompatible with alcohols.
Decomposition liberates toxic fumes.
Decomposition products are corrosive.
Hazardous combustion or decomposition products include: carbon monoxide, carbon dioxide, sulfur oxides and hydrogen chloride gas.

SECTION 11 - TOXICOLOGY INFORMATION

RTECS: Not Available

<u>Oral Rat or Mouse LD50:</u> Not Available	<u>Dermal Rat or Mouse LD50:</u> > N/A	<u>Rat or Mouse LC50:</u> N/A
---	---	----------------------------------

<u>Carcinogenicity</u> <u>OSHA:</u> No	<u>NTP:</u> No	<u>IARC:</u> No	<u>CARC:</u> No	<u>NIOSH:</u> No	<u>ACGIH:</u> No
--	-------------------	--------------------	--------------------	---------------------	---------------------

California Proposition 65 info: Not Listed

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not Available
Environmental Fate: Not Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Burn in a chemicals incinerator equipped with an afterburner and scrubber.

SECTION 14 - TRANSPORTATION INFORMATION

<u>UN Number:</u>	<u>Class:</u>	<u>Packing Group:</u>	<u>Proper Shipping Name:</u>
-------------------	---------------	-----------------------	------------------------------

SECTION 15 - REGULATORY INFORMATION

European Labeling in Accordance with EC Directives
Hazard Symbols: N/A

Risk Phrases:

Safety Phrases:

SECTION 16 - OTHER INFORMATION

The above information is believed to be correct on the date it was last revised and must not be considered all inclusive. The information has been obtained only by a search of available literature and is only a guide for handling the chemicals. OSHA regulations require that if other hazards become evident, an upgraded MSDS must be made available to the employee within three months. RESPONSIBILITY for updates lies with the employer and not with CHEM SERVICE, Inc.

Persons not specifically and properly trained should not handle this chemical or its container. This product is furnished FOR LABORATORY USE ONLY! Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticide products, food additives or as household chemicals.

This Material Safety Data Sheet (MSDS) is intended only for use with Chem Service, Inc. products and should not be relied on for use with materials from any other supplier even if the chemical name(s) on the product are identical! Whenever using an MSDS for a solution or mixture the user should refer to the MSDS for every component of the solution or mixture. Chem Service warrants that this MSDS is based upon the most current information available to Chem Service at the time it was last revised. THIS WARRANTY IS EXCLUSIVE, AND CHEM SERVICE, INC. MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. This MSDS is provided gratis and CHEM SERVICE, INC. SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR CONTINGENT DAMAGES.

Copyright © 2000-2011 Chem Service, Inc. All rights reserved except that this MSDS may be printed for the use of a customer or prospective customer of Chem Service, Inc provided the entire MSDS is printed. The MSDS may not be placed in any database or otherwise stored or distributed in electronic or any other form.

This product is furnished FOR LABORATORY USE ONLY!