Material Safety Data Sheet
Methyltrichlorosilane, 98+%

Section 1 - Chemical Product and Company Identification

MSDS Name:	Methyltrichlorosilane, 98+%
Catalog Numbers:	12793-0000, 12793-0100, 12793-5000
Synonyms:	Trichloromethylsilane
Company Identification:	Acros Organics BVBA Janssen Pharmaceuticalaan 3a 2440 Geel, Belgium
Company Identification: (USA)	Acros Organics One Reagent Lane Fair Lawn, NJ 07410
For information in the US, call:	800-ACROS-01
For information in Europe, call:	+32 14 57 52 11
Emergency Number, Europe:	+32 14 57 52 99
Emergency Number US:	201-796-7100
CHEMTREC Phone Number, US:	800-424-9300
CHEMTREC Phone Number, Europe:	703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
75-79-6	Methyltrichlorosilane		200-902-6

Hazard Symbols: XI F

Risk Phrases: 11 14 36/37/38

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Highly flammable. Reacts violently with water. Irritating to eyes, respiratory system and skin.

Potential Health Effects

Eye: Causes severe eye irritation. May cause blindness. Causes redness and pain.

Skin: Causes severe skin irritation. Harmful if absorbed through the skin. Substance is rapidly absorbed through the skin. Causes redness and pain.

Ingestion: Aspiration hazard. May be harmful if swallowed.

Inhalation: Causes respiratory tract irritation. Inhalation may be fatal as a result of spasm, inflammation, edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema.

Chronic:

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of

milk or water. Never give anything by mouth to an unconscious person. Get medical aid. Wash mouth out with water.

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

Notes to Physician:

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire. Containers may explode in the heat of a fire. Flammable liquid and vapor.

Extinguishing Media: Use water spray to cool fire-exposed containers. Use foam, dry chemical, or carbon dioxide. DO NOT USE WATER!

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Use a spark-proof tool.

Section 7 - Handling and Storage

Handling: Use spark-proof tools and explosion proof equipment. Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Do not allow contact with water. Use only in a chemical fume hood.

Storage: Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container. Keep under a nitrogen blanket. Flammables-area.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

CAS# 75-79-6:

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Clear liquid
Color: colorless
Odor: acrid odor - sharp odor
pH: Not available
Vapor Pressure: 180 mbar @ 20 deg C
Viscosity: mPas 20 deg C
Boiling Point: 66 deg C @ 760.00mm Hg (150.80°F)
Freezing/Melting Point: -77 deg C (-106.60°F)

Autoignition Temperature: 404 deg C (759.20 deg F)
Flash Point: -13 deg C (8.60 deg F)
Explosion Limits: Lower: 5.50 vol %
Explosion Limits: Upper: 10.40 vol %
Decomposition Temperature: Not available
Solubility in water: reacts with water
Specific Gravity/Density: 1.2730g/cm3
Molecular Formula: CH3SiCl3
Molecular Weight: 149.48

Section 10 - Stability and Reactivity

Chemical Stability:	Unstable.
Conditions to Avoid:	Incompatible materials, ignition sources, exposure to moist air or water.
Incompatibilities with Other Materials	Strong oxidizing agents, strong acids, strong bases, active metals, alcohols, metals (alkali and alkaline, e.g. cesium, potassium, sodium).
Hazardous Decomposition Products	Hydrogen chloride, phosgene, carbon monoxide, carbon dioxide, silicon dioxide.
Hazardous Polymerization	Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 75-79-6: VV4550000

LD50/LC50: RTECS:
CAS# 75-79-6: Draize test, rabbit, eye: 5 mg/24H Severe;
Draize test, rabbit, skin: 500 uL Severe;
Inhalation, mouse: LC50 = 180 mg/m3/2H;
Inhalation, rat: LC50 = 450 ppm/4H;
Oral, rat: LD50 = 1620 uL/kg;
Skin, rabbit: LD50 = 840 uL/kg;
.
Other:

Carcinogenicity: Methyltrichlorosilane - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity: Not available

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	METHYLTRICHLOROSILANE (forbidden to ship via passenger air)	METHYLTRICHLOROSILANE	METHYLTRICHLOROSILANE
Hazard Class:	3 (8)	3 (8)	3 (8)
UN Number:	1250	1250	1250
Packing Group:	I	I	I

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XI F

Risk Phrases:

R 11 Highly flammable.

R 14 Reacts violently with water.

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:

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

S 39 Wear eye/face protection.

WGK (Water Danger/Protection)

CAS# 75-79-6: Not available

Canada

CAS# 75-79-6 is listed on Canada's DSL List

US Federal

TSCA

CAS# 75-79-6 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 10/11/1996

Revision #0 Date Original.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility 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 the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.