

Material Safety Data Sheet

Date Prepared: 08/2009

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY INFORMATION

Product name: BENZYLTRICHLOROSILANE

Supplier:

City Chemical LLC
139 Allings Crossing Rd
West Haven, CT 06516
tel: 203-932-2489

Emergency telephone number: CHEMTREC: 1-800-424-9300 (1-703-527-3887)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %	ACGIH Exposure Limits:	OSHA Exposure Limits:
BENZYLTRICHLOROSILANE	770-10-5	90 - 100%	None	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Combustible material, Water Reactive

Category of Danger:

Water Reactive

Principle routes of exposure: Skin

Inhalation: May cause irritation of respiratory tract

Ingestion: May be harmful if swallowed.

Skin contact: May cause allergic skin reaction

Eye contact: Avoid contact with eyes

Statements of hazard COMBUSTIBLE MATERIAL AND VAPOR.

Reacts violently with water.

Statement of Spill or Leak - ANSI Label Eliminate all ignition sources. Absorb and/or contain spill with inert materials (e.g., sand, vermiculite). Then place in appropriate container. For large spills, use water spray to disperse vapors, flush spill area. Prevent runoff from entering waterways or sewers.

Precautions - ANSI Label Keep away from heat, sparks and flame. Keep containers closed. Use only with adequate ventilation.

4. FIRST AID MEASURES

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

Inhalation: Move to fresh air. Call a physician immediately.

Skin contact: Rinse immediately with plenty of water and seek medical advice

Ingestion: Do not induce vomiting without medical advice.

Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Protection of first-aiders: No information available

Medical conditions aggravated by exposure: None known

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Use dry chemical, CO ₂ , water spray or "alcohol" foam
Specific hazards:	Flammable
Unusual hazards:	None known
Special protective equipment for firefighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Specific methods:	Water mist may be used to cool closed containers.
Flash point:	87°C
Autoignition temperature:	Not determined
NFPA rating:	
NFPA Health:	1
NFPA Flammability:	1
NFPA Reactivity:	0

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Remove all sources of ignition. Use personal protective equipment.
Environmental precautions:	Do not flush into surface water or sanitary sewer system.
Methods for cleaning up:	Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Storage:	ROOM TEMPERATURE
Handling:	Use only in area provided with appropriate exhaust ventilation.
Safe handling advice:	Wear personal protective equipment.
Technical measures/storage conditions:	Keep away from heat and sources of ignition
Incompatible products:	Oxidising and spontaneously flammable products

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure adequate ventilation.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: Breathing apparatus only if aerosol or dust is formed.

Hand protection: Pvc or other plastic material gloves

Skin and body protection: Usual safety precautions while handling the product will provide adequate protection against this potential effect.

Eye protection: Safety glasses with side-shields

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Formula:	C ₇ H ₇ Cl ₃ Si

Molecular weight:	225.5773
Melting point/range:	No data available at this time.
Boiling point/range:	140°C
Density:	1.288 g/ml
Vapor pressure:	No data available
Evaporation rate:	No data available
Vapor density:	No data available
Solubility (in water):	Reacts with water
Flash point:	87°C
Autoignition temperature:	Not determined

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Polymerization:	None under normal processing.
Hazardous decomposition products:	Chloride/Hydrochloric acid
Materials to avoid:	Strong oxidising agents
Conditions to avoid:	Exposure to air or moisture over prolonged periods.

11. TOXICOLOGICAL INFORMATION

Product Information

Acute toxicity

Components

BENZYLTRICHLOROSILANE

RTECS Number:

Not Available

Selected LD50s and LC50s

Not Determined

Chronic toxicity:

Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.

Local effects:

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Specific effects:

May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.

Primary irritation:

No data is available on the product itself.

Carcinogenic effects:

No data is available on the product itself.

Mutagenic effects:

No data is available on the product itself.

Reproductive toxicity:

No data is available on the product itself.

12. ECOLOGICAL INFORMATION

Mobility:

No data available

Bioaccumulation:

No data available

Ecotoxicity effects:

No data available

Aquatic toxicity:

May cause long-term adverse effects in the aquatic environment.

Components

BENZYLTRICHLOROSILANE

U.S. DOT - Appendix B - Marine Pollutan

Not Listed

U.S. DOT - Appendix B - Severe Marine Pollutants

Not Listed

United Kingdom - The Red List:

Not Listed

Components

BENZYLTRICHLOROSILANE

Germany VCI (WGK)

Not Listed

World Health Organization (WHO) - Drinking Water

Not Listed

Ecotoxicity - Fish Species Data

Not Listed

Components BENZYLTRICHLOROSILANE	Ecotoxicity - Freshwater Algae Data Not Listed	Ecotoxicity - Microtox Data Not Listed	Ecotoxicity - Water Flea Data Not Listed
Components BENZYLTRICHLOROSILANE	EPA - ATSDR Priority List Not Listed	EPA - HPV Challenge Program Chemical List Not Listed	California - Priority Toxic Pollutants Not Listed
Components BENZYLTRICHLOROSILANE	California - Priority Toxic Pollutants Not Listed	California - Priority Toxic Pollutants Not Listed	

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

**Contaminated packaging:
Methods for cleaning up:**

Do not re-use empty containers
Soak up with inert absorbent material.

14. TRANSPORT INFORMATION

UN/Id No: Not regulated

DOT:

Proper shipping name: Not Regulated

Components BENZYLTRICHLOROSILANE	U.S. DOT - Appendix A Table 1 - Reportable Quantities Not Listed
--	--

TDG (Canada):

WHMIS hazard class: Non-controlled

IMDG/IMO

IMDG - Hazard Classifications Not Applicable

Components BENZYLTRICHLOROSILANE	U.S. DOT - Appendix B - Marine Pollutant Not Listed	U.S. DOT - Appendix B - Severe Marine Pollutants Not Listed
--	---	---

IMO-labels:

15. REGULATORY INFORMATION

International Inventories

Components

BENZYLTRICHLOROSILANE

Inventory - United States TSCA - Sect. 8(b)

Present

Canada DSL Inventory List -

Not Listed

Canada NDSL Inventory List -

C7H7Cl3Si

Inventory - China:

Present

EU EINECS List -

212-219-0; C7H7Cl3Si

U.S. regulations:

Components

California Proposition 65

Massachusetts Right to

New Jersey Right to

Pennsylvania Right to Know

-

Know List:

Know List:

List:

BENZYLTRICHLOROSILANE

Not Listed

Not Listed

Not Listed

Not Listed

Components

Florida substance List:

Rhode Island Right to

Illinois - Toxic Air

Connecticut - Hazardous Air

Not Listed

Know List:

Contaminants

Pollutants

BENZYLTRICHLOROSILANE

Not Listed

Not Listed

Not Listed

Not Listed

Components

SARA 313 Emission

CERCLA/SARA - Section NTP:

IARC:

reporting/Toxic Release

302 Extremely Haz

of Chemicals

Not Listed

Not Listed

None

None

BENZYLTRICHLOROSILANE

SARA 313 Notification:

The above is your notification as to the SARA 313 listing for this product(s) pursuant to Section 313 of Title III of the Superfund Ammendments and Reauthorization Act of 1986 and 40 CFR Part 372.

If you are unsure if you are subject to the reporting requirements of Section 313, or need more information, please call the EPA Emergency Planning and Community Right-To-Know Information Hotline: (800) 535-0202 or (202) 479-2499 (in Washington, DC or Alaska).

State Notification:

The above information is your notice as to the Right-to-Know listings of the stated product(s). Individual states will list chemicals for a variety of reasons including, but not limited to, the compounds toxicity; carcinogenic, tumorigenic and/or reproductive hazards; and the compounds environmental impact if accidentally released.

16. OTHER INFORMATION

Prepared by: Health & Safety

Disclaimer: The information and recommendations contained herein are based upon tests believed to be reliable. However, City Chemical LLC does not guarantee the accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage maybe required. City Chemical LLC assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

End of Safety Data Sheet