



Material Safety Data Sheet  
Chlorotriphenyltin, 95%

MSDS# 99032

Section 1 - Chemical Product and Company Identification

MSDS Name: Chlorotriphenyltin, 95%  
Catalog Numbers: AC317290000, AC317290050, AC317291000  
Synonyms: Chlorotriphenylstannane; Triphenylchlorostannane; Triphenylchlorotin; Triphenyltin chloride.

Company Identification: Acros Organics BVBA  
Janssen Pharmaceuticaaan 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#: 639-58-7  
Chemical Name: Chlorotriphenyltin  
%: 95  
EINECS#: 211-358-4  
-----

Hazard Symbols:

T N



Risk Phrases:

23/24/25 50/53

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Warning! Moisture sensitive. Harmful if swallowed, inhaled, or absorbed through the skin. Severe marine pollutant. Causes eye, skin, and respiratory tract irritation. Target Organs: Central nervous system, respiratory system, eyes, immune system, skin.

Potential Health Effects

Eye: Causes eye irritation.

Skin: Causes skin irritation. Harmful if absorbed through the skin.

Ingestion: Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Inhalation: Harmful if inhaled. Causes respiratory tract irritation.

Chronic: Exposure limits have been recommended for organotin compounds to minimize the potential for adverse effects on immune function and the CNS.

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 immediately.

Skin: Get medical aid immediately. Wash clothing before reuse. **SPEEDY ACTION IS CRITICAL!** Flush skin with plenty of soap and water. Remove all contaminated clothing immediately.

Ingestion: 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.

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

Notes to Physician: Treat symptomatically and supportively.

### 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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Containers may explode in the heat of a fire. May be ignited by heat, sparks, and flame.

Extinguishing Media: For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. Do NOT get water inside containers. For large fires, use water spray, fog or alcohol-resistant foam.

Autoignition Temperature: Not available.

Flash Point: Not available

Explosion Limits: Lower: Not available

Explosion Limits: Upper: Not available

NFPA Rating: health: 2; flammability: 1; instability: 0;

### Section 6 - Accidental Release Measures

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

Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Provide ventilation. Do not get water inside containers. Stop leak only if you can do so without risk.

### Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use only in a well-ventilated area. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Do not allow contact with water. Wash clothing before reuse. Keep from contact with moist air and steam.

Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep containers tightly closed. Store protected from moisture.

### Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Chlorotriphenyltin	0.1 mg/m <sup>3</sup> TWA (as Sn) (listed under Tin organic compounds).0.2 mg/m <sup>3</sup> STEL (as Sn) (listed under Tin organic compounds).Skin - potential significant contribution to overall exposure by the cutaneous	0.1 mg/m <sup>3</sup> TWA (as Sn, except Cyhexatin) (listed under Tin organic compounds).25 mg/m <sup>3</sup> IDLH (as Sn, except Cyhexatin) (listed under Tin organic compounds).	0.1 mg/m <sup>3</sup> TWA (as Sn) (listed under Tin organic compounds).

OSHA Vacated PELs: Chlorotriphenyltin: 0.1 mg/m<sup>3</sup> TWA (as Sn) (listed under Tin organic compounds)

#### Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

#### Exposure Limits

#### 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.

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a

Respirators: 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: Crystalline powder

Color: white to off-white

Odor: Not available

pH: Not available

Vapor Pressure: Not available

Vapor Density: Not available

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: 240 deg C @ 13.5 mm Hg ( 464.00°F)

Freezing/Melting Point: 103-108 deg C

Decomposition Temperature: Not available

Solubility in water: Insoluble

Specific Gravity/Density:

Molecular Formula: C<sub>18</sub>H<sub>15</sub>ClSn

Molecular Weight: 385.47

#### Section 10 - Stability and Reactivity

Chemical Stability: May decompose on exposure to moist air or water.

Conditions to Avoid: Dust generation, moisture, confined spaces.

Incompatibilities with Other Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Hydrogen chloride, carbon monoxide, carbon dioxide, tin/tin oxides.

Hazardous Polymerization: Has not been reported.

#### Section 11 - Toxicological Information

RTECS#: CAS# 639-58-7: WH6860000

RTECS:

**CAS# 639-58-7:** Draize test, rabbit, eye: 100 mg/24H Severe;

LD50/LC50: Draize test, rabbit, skin: 100 mg/24H Severe;

Oral, mouse: LD50 = 18 mg/kg;

Oral, rat: LD50 = 135 mg/kg;

.

Carcinogenicity: Chlorotriphenyltin - 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

Other: No information available.

#### Section 13 - Disposal Considerations

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

## Section 14 - Transport Information

US DOT  
Shipping Name: ORGANOTIN COMPOUNDS, SOLID, N.O.S.  
Hazard Class: 6.1  
UN Number: UN3146  
Packing Group: III  
Canada TDG  
Shipping Name: Not available  
Hazard Class:  
UN Number:  
Packing Group:

## Section 15 - Regulatory Information

### European/International Regulations

#### European Labeling in Accordance with EC Directives

Hazard Symbols: T N

Risk Phrases:

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

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

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

S 27 Take off immediately all contaminated clothing.

S 28A After contact with skin, wash immediately with plenty of water.

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

S 60 This material and its container must be disposed of as hazardous waste.

S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

#### WGK (Water Danger/Protection)

CAS# 639-58-7: 3

#### Canada

CAS# 639-58-7 is listed on Canada's NDSL List

Canadian WHMIS Classifications: D1B, D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 639-58-7 is listed on Canada's Ingredient Disclosure List

#### US Federal

##### TSCA

CAS# 639-58-7 is listed on the TSCA Inventory.

## Section 16 - Other Information

MSDS Creation Date: 3/19/1999

Revision #5 Date 7/20/2009

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 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.

---