Material Safety Data Sheet
Dimethyltin dichloride

MSDS# 02666

Section 1 - Chemical Product and Company Identification

MSDS Name: Dimethyltin dichloride
Catalog Numbers: AC347820000, AC347820010, AC347820050, AC347820250
Synonyms: Dimethyldichlorostannane; Dichlorodimethyltin.

Company Identification: Acros Organics BVBA
Janssen Pharmaceuticaan 3a
2440 Geel, Belgium
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
CHEMTREC Phone Number, US: 800-424-9300
CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#: 753-73-1
Chemical Name: Dimethyltin dichloride
%: 95
EINECS#: 212-039-2

Hazard Symbols: T
Risk Phrases: 23/24/25 34

Section 3 - Hazards Identification

EMERGENCY OVERVIEW
Danger! Causes burns by all exposure routes. Toxic if swallowed, inhaled or absorbed through the skin. Target Organs: Respiratory system, gastrointestinal system, eyes, skin.

Potential Health Effects
Eye: Causes eye burns.
Skin: Causes skin burns. Toxic in contact with skin.
Ingestion: Poison by ingestion. Causes gastrointestinal tract burns.
Inhalation: Causes chemical burns to the respiratory tract. Toxic if inhaled.
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: Immediately 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. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Do not induce vomiting. Get medical aid immediately. Call a poison control center.

Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

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.

Extinguishing Media: Use foam, dry chemical, or carbon dioxide.

Autoignition Temperature: Not available

Flash Point: Not available

Explosion Limits: Not available

NFPA Rating: health: 3; flammability: 1; instability: 1;

Section 6 - Accidental Release Measures

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

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Avoid generating dusty conditions. Provide ventilation. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use only in a chemical fume hood.


Section 8 - Exposure Controls, Personal Protection

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA - Final PELs</th>
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<tbody>
<tr>
<td>Dimethyltin dichloride</td>
<td>0.1 mg/m3 TWA (as Sn) (listed under Tin organic compounds) 0.2</td>
<td>0.1 mg/m3 TWA (as Sn) (listed under Tin organic compounds) 0.25</td>
<td>0.1 mg/m3 TWA</td>
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<td>under Tin Cyhexatin)</td>
<td>Tin organic</td>
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<td>organic</td>
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<td>mg/m3 STEL (as compounds).25</td>
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<td>Sn) (listed</td>
<td>mg/m3 IDLH (as Sn)</td>
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<td>under Tin organic</td>
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OSHA Vacated PELs: Dimethyltin dichloride: 0.1 mg/m3 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 only under a chemical fume hood.

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
Odor: Not available
pH: Not available
Vapor Pressure: Not available
Vapor Density: Not available
Evaporation Rate: Not available
Viscosity: Not available
Boiling Point: 188 - 190 deg C
Freezing/Melting Point: 103 - 110 deg C
Decomposition Temperature: Not available
Solubility in water: 20 g/L (20°C)
Specific Gravity/Density:
Molecular Formula: C2H6Cl2Sn
Molecular Weight: 219.66

Section 10 - Stability and Reactivity

Chemical Stability: Moisture sensitive.
Conditions to Avoid: Incompatible materials, dust generation, exposure to moist air or water.
Incompatibilities with Other Materials Water, 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# 753-73-1: WH7245000
RTECS:
LD50/LC50: CAS# 753-73-1: Oral, rat: LD50 = 73900 ug/kg;
Carcinogenicity: Dimethyltin dichloride - 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: Please contact Fisher Scientific for shipping information
Hazard Class:
UN Number:
Packing Group:
Canada TDG
Shipping Name: Not available
Hazard Class:
Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T

Risk Phrases:
- R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
- R 34 Causes burns.

Safety Phrases:
- 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).

WGK (Water Danger/Protection)

CAS# 753-73-1: Not available

Canada

CAS# 753-73-1 is listed on Canada's DSL List

Canadian WHMIS Classifications: E, D1B

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# 753-73-1 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 753-73-1 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 5/03/2000
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 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.

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