

# SAFETY DATA SHEET

Version: v1

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

Product name : Dimethyltin Dichloride  
Product Number : D114131  
Brand : aladdin  
CAS-No. : 753-73-1

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances.

### 1.3 Company

Company : ALADDIN SCIENTIFIC CORPORATION  
Address : 14078 Meridian Parkway,  
Riverside, CA. 92518  
Telephone : +1 (833) 552-7181  
Fax : no data available

### 1.4 Emergency telephone number

CHEMTREC®, Inside the USA : 1-800-424-9300  
CHEMTREC®, Outside the USA :

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

|       |                                                                |
|-------|----------------------------------------------------------------|
| H301  | Toxic if swallowed                                             |
| H311  | Toxic in contact with skin                                     |
| H314  | Causes severe skin burns and eye damage                        |
| H330  | Fatal if inhaled                                               |
| H361d | Suspected of damaging the unborn child                         |
| H372  | Causes damage to organs through prolonged or repeated exposure |

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**Precautionary statement(s)**

|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| P260           | Do not breathe dust/fume/gas/mist/vapors/spray.                                                                                  |
| P264           | Wash hands [and ...] thoroughly after handling.                                                                                  |
| P270           | Do not eat, drink or smoke when using this product.                                                                              |
| P271           | Use only outdoors or in a well-ventilated area.                                                                                  |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.                                                       |
| P284           | [In case of inadequate ventilation] Wear respiratory protection.                                                                 |
| P320           | Specific treatment is urgent (see ... on this label).                                                                            |
| P321           | Specific treatment (see ... on this label).                                                                                      |
| P330           | Rinse mouth.                                                                                                                     |
| P363           | Wash contaminated clothing before reuse.                                                                                         |
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.                                                                               |
| P302+P352      | IF ON SKIN: wash with plenty of water.                                                                                           |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                                                       |
| P361+P364      | Take off immediately all contaminated clothing and wash it before reuse.                                                         |
| P405           | Store locked up.                                                                                                                 |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.                                                                 |
| P501           | Dispose of contents/container to an approved waste disposal plant.                                                               |
| P203           | Obtain, read and follow all safety instructions before use.                                                                      |
| P301+P316      | IF SWALLOWED: Get emergency medical help immediately.                                                                            |
| P305+P354+P338 | IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. |
| P318           | if exposed or concerned, get medical advice.                                                                                     |
| P302+P361+P354 | IF ON SKIN: Take off Immediately all contaminated clothing. Immediately rinse with water for several minutes.                    |
| P316           | Get emergency medical help immediately.                                                                                          |
| P319           | Get medical help if you feel unwell.                                                                                             |

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

|                  |                                                    |
|------------------|----------------------------------------------------|
| Synonyms         | : Dichlorodimethylstannane Dichlorodimethyltin     |
| Formula          | : C <sub>2</sub> H <sub>6</sub> Cl <sub>2</sub> Sn |
| Molecular weight | : 219.69                                           |
| CAS No.          | : 753-73-1                                         |
| EC-NO.           | : 212-039-2                                        |

| Component                     | Classification | Concentration |
|-------------------------------|----------------|---------------|
| <b>Dimethyltin Dichloride</b> |                |               |

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| Component | Classification    | Concentration          |
|-----------|-------------------|------------------------|
|           | no data available | analytical<br>standard |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice**  
 Consult a physician.Show this safety data sheet to the doctor in attendance.Move out of dangerous area.
- If inhaled**  
 If inhaled, please move the patient to fresh air. If breathing stops, give artificial respiration.
- In case of skin contact**  
 Rinse with soap and plenty of water. Consult a doctor.
- In case of eye contact**  
 Thoroughly rinse with plenty of water for at least 15 minutes and consult a doctor.
- If swallowed**  
 Do not feed anything from the mouth to an unconscious person. Rinse your mouth with water.

### 4.2 Most important symptoms and effects, both acute and delayed

This substance causes significant damage to mucosal tissue, upper respiratory tract, eyes, and skin, resulting in coughing, shortness of breath, headache, and nausea

### 4.3 Indication of any immediate medical attention and special treatment needed

no data available

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media**  
 Water,Foam,Carbon dioxide (CO2),Dry powder
- Unsuitable extinguishing media**  
 no data available

### 5.2 Special hazards arising from the substance or mixture

Carbon oxides, hydrogen chloride gas, Tin/tin oxide

### 5.3 Advice for firefighters

If necessary, wear a self-contained breathing apparatus to put out the fire.

### 5.4 Further information

no data available

## SECTION 6: Accidental release measures

Phone: +1 (833) 552-7181 Email: [QualityAssurance@aladdinsci.com](mailto:QualityAssurance@aladdinsci.com) Website: <https://www.aladdinsci.com/>

## 6.1 Personal precautions, protective equipment and emergency procedures

Wear a breathing mask. Prevent the generation of dust. Prevent inhalation of vapors, aerosols, or gases. Evacuate personnel to a safe area. Avoid inhaling cost

## 6.2 Environmental precautions

On the premise of ensuring safety, take measures to prevent further leakage or overflow. Do not allow the product to enter the sewer. Prevent discharge into the surrounding environment.

## 6.3 Methods and materials for containment and cleaning up

Collect and handle leaks without generating dust. Sweep and shovel away. Store in a suitable closed processing container. Refer to other sections

## 6.4 Reference to other sections

For disposal see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid the formation of dust and aerosols. Provide suitable exhaust equipment in areas with dust generation.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep the container tightly closed and store in a dry and ventilated place. Sensitive to humidity

### 7.3 Specific end use(s)

no data available

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU)2016/425 and the standard EN 374 derived from it.

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#### Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN(EU).

#### Control of environmental exposure

no data available

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                                 |                                    |
|-------------------------------------------------|------------------------------------|
| a) Appearance                                   | form: crystallization color: beige |
| b) Odour                                        | no data available                  |
| c) Odour Threshold                              | no data available                  |
| d) pH                                           | no data available                  |
| e) Melting point/freezing point                 | 101 - 106 °C (214 - 223 °F) - lit. |
| f) Initial boiling point and boiling range      | no data available                  |
| g) Flash point                                  | no data available                  |
| h) Evaporation rate                             | no data available                  |
| i) Flammability (solid, gas)                    | no data available                  |
| j) Upper/lower flammability or explosive limits | no data available                  |
| k) Vapour pressure                              | no data available                  |
| l) Vapour density                               | no data available                  |
| m) Relative density                             | no data available                  |
| n) Water solubility                             | no data available                  |
| o) Partition coefficient: n-octanol/water       | no data available                  |
| p) Auto-ignition temperature                    | no data available                  |
| q) Decomposition temperature                    | no data available                  |
| r) Viscosity                                    | no data available                  |
| s) Explosive properties N                       | no data available                  |
| t) Oxidizing properties N                       | no data available                  |

### 9.2 Other safety information

no data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

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no data available

**10.2 Chemical stability**

Stable under recommended storage conditions

**10.3 Possibility of hazardous reactions**

no data available

**10.4 Conditions to avoid**

no data available

**10.5 Incompatible materials**

strong oxidant

**10.6 Hazardous decomposition products**

no data available

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**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

no data available

**Skin corrosion/irritation**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitisation**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

There are no components in this product at levels greater than or equal to 0.1% that have been identified by IARC as possible or definite human carcinogens.

**Reproductive toxicity**

no data available

**Specific target organ toxicity - single exposure**

no data available

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

Inhalation - May cause respiratory irritation.

**Additional Information**

no data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish LC50 - Medaka - 6 mg/l - 48 h Toxicity to water fleas and other aquatic invertebrates. EC50 - Daphnia magna - 88 mg/l - 24 h Toxicity to algae Growth inhibition EC50 - Skeletonema costatum - > 0.5 mg/l ; - 72 hours

### 12.2 Persistence and degradability

no data available

### 12.3 Bioaccumulative potential

no data available

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

no data available

### 12.6 Other adverse effects

Toxic to aquatic organisms and has long-lasting effects. Avoid release into the environment.

## SECTION 13:

### 13.1 Disposal considerations

#### Product

Recycle to process, if possible. Consult your local regional authorities and an expert of disposal. You may be able to dissolve or mix material with a combustible solvent and little by little burn in a chemical incinerator equipped with an afterburner and scrubber system. If a large amount of the substance is burned at a time, an explosion may occur. Observe all federal, state and local regulations when disposing of the substance.

#### Contaminated packaging

Dispose of as unused product.

## SECTION 14: Transport information

#### DOT (US)

UN number: 2923

Packing group: II

Class: 8(6.1)

Proper shipping name: CORROSIVE  
SOLID, TOXIC, N.O.S. (Dimethyltin  
dichloride)

Reportable Quantity(RQ): no data  
available

Poison Inhalation Hazard: no data  
available

Environmental Hazards: No

#### IMDG

UN number: 2923

Packing group: II

EMS-No: no data available

Proper shipping name: CORROSIVE SOLID, TOXIC, N.O.S. (Dimethyltin dichloride)

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**IATA**

UN number: 2923

Packing group: II

Class: 8(6.1)

Proper shipping name: CORROSIVE SOLID, TOXIC, N.O.S. (Dimethyltin dichloride)

## SECTION 15: Regulatory information

no data available

## SECTION 16: Other information

**Prepared By**

Regulatory Affairs

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**Revision Summary**

SDS sections updated v1

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