

SAFETY DATA SHEET

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SECTION 1. IDENTIFICATION

Product Name: Dimethylhydroxy(oleate)tin

Product Number: All applicable American Elements product codes, e.g. SN-OMX-01

CAS #: 43136-18-1

Relevant identified uses of the substance: Scientific research and development

Supplier details:

American Elements
10884 Weyburn Ave.
Los Angeles, CA 90024
Tel: +1 310-208-0551
Fax: +1 310-208-0351

Emergency telephone number:

+1 800-424-9300

SECTION 2. HAZARDS IDENTIFICATION

GHS US classification

Acute toxicity (oral)

Category 4

H302 Harmful if swallowed

Full text of H statements : see section 16

GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US) : Warning

Hazard statements (GHS US) : H302 - Harmful if swallowed

Precautionary statements (GHS US) : P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P301+P312 - If swallowed: Call a doctor if you feel unwell

P330 - Rinse mouth.

P501 - Dispose of contents/container to licensed waste disposal facility.

Hazards not otherwise classified (HNOC)

No additional information available

Unknown acute toxicity (GHS US)
Not applicable

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance type : Multi-constituent
Name : DIMETHYLHYDROXY(OLEATE)TIN, tech-85
CAS-No. : 29910-14-3/43136-18-1

SECTION 4. FIRST AID MEASURES

First-aid measures general : Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label.

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Wash with plenty of soap and water. Get medical advice/attention.

First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

First-aid measures after ingestion : Never give anything by mouth to an unconscious person. Get medical advice/attention.

Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : May cause irritation to the respiratory tract. Overexposure may cause: Coughing. Headache.

Nausea.

Symptoms/effects after skin contact : May cause skin irritation.

Symptoms/effects after eye contact : May cause eye irritation.

Symptoms/effects after ingestion : Harmful if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

Immediate medical attention and special treatment, if necessary

Note to physician: Application of corticosteroid creams has been effective in treating severe skin irritation. If blisters develop, they may require abrasion to promote healing.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water spray. Foam. Carbon dioxide. Dry chemical.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical

Fire hazard : Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

Special protective equipment and precautions for fire-fighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray to cool exposed surfaces.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

Avoid all eye and skin contact and do not breathe vapor and mist.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment : Wear protective equipment as described in Section 8.

Emergency procedures : Evacuate unnecessary personnel.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it.

Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Precautions for safe handling : Avoid all eye and skin contact and do not breathe vapor and mist. Use only in well ventilated areas.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed.

Incompatible materials : Oxidizing agent.

Storage area : Store in a well-ventilated place. Store away from heat.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Hydroxydimethyltin oleate (29910-14-3)

OSHA OSHA PEL (TWA) (mg/m³) 0.1 mg/m³ as tin

1,3-Bis(oleoyloxy)tetramethyldistannoxane (43136-18-1)

OSHA OSHA PEL (TWA) (mg/m³) 0.1 mg/m³ as tin

Appropriate engineering controls

Appropriate engineering controls : Provide local exhaust or general room ventilation.

Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection:

Neoprene or nitrile rubber gloves

Eye protection:

Chemical goggles. Contact lenses should not be worn

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified combination organic vapor/acid gas (yellow cartridge) respirator.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Viscous.

Molecular mass : 447.23 g/mol

Color : Yellow. Amber.

Odor : Mild.

Odor threshold : No data available

Refractive index : 1.492

pH : No data available

Relative evaporation rate (butyl acetate=1) : < 1

Melting point : No data available

Freezing point : < 0 °C

Boiling point : > 200 °C @10 mm Hg

Flash point : > 200 °C

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapor pressure : No data available

Relative vapor density at 20 °C : > 1

Relative density : 1.15

% Volatiles : < 3 %

Solubility : Insoluble in water.

Log Pow : No data available

Log Kow : No data available

Viscosity, kinematic : 10 cSt

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Explosion limits : No data available

Other information

No additional information available

SECTION 10. STABILITY AND REACTIVITY

Reactivity

No additional information available

Chemical stability

Stable.

Possibility of hazardous reactions

Direct sunlight causes slow degradation to an inorganic tin salt.

Conditions to avoid

Heat. Open flame. Sparks. Material should not be dispersed as an aerosol.

Incompatible materials
Oxidizing agent.
Hazardous decomposition products
Organic acid vapors. Tin oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity : Not classified

Bis(oleoyloxy)tetramethyldistannoxane (43136-18-1)

LD50 oral rat 800 mg/kg

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

None of the components in this product at concentrations >0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

Reproductive toxicity : Not classified

Specific target organ toxicity single exposure : Not classified

Specific target organ toxicity repeated exposure: Not classified

Aspiration hazard : Not classified

Symptoms/effects after inhalation : May cause irritation to the respiratory tract. Overexposure may cause: Coughing. Headache.

Nausea.

Symptoms/effects after skin contact : May cause skin irritation.

Symptoms/effects after eye contact : May cause eye irritation.

Symptoms/effects after ingestion : Harmful if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

No additional information available

Persistence and degradability

No additional information available

Bioaccumulative potential

No additional information available

Mobility in soil

No additional information available

Other adverse effects

Effect on the ozone layer : No additional information available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Sewage disposal recommendations : Do not dispose of waste into sewer.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility.

Ecology - waste materials : Avoid release to the environment.

SECTION 14. TRANSPORT INFORMATION

UN number

Not regulated for transport.

UN proper shipping name

Not applicable

Additional information

Other information : No supplementary information available.

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15. REGULATORY INFORMATION

US Federal regulations

Hydroxydimethyltin oleate (29910-14-3)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

1,3-Bis(oleoyloxy)tetramethyldistannoxane (43136-18-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

International regulations

CANADA

No additional information available

1,3-Bis(oleoyloxy)tetramethyldistannoxane (43136-18-1)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

1,3-Bis(oleoyloxy)tetramethyldistannoxane (43136-18-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Hydroxydimethyltin oleate (29910-14-3)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

1,3-Bis(oleoyloxy)tetramethyldistannoxane (43136-18-1)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

SECTION 16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the

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