SAFETY DATA SHEET

Date Printed: 05/18/2024
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SECTION 1. IDENTIFICATION

Product Identifier: Dimethylhydroxy(oleate)tin

Product Code: SN-OMX-01

CAS Number: 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

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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.

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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

product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. American Elements shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.