


<a href="#">Tin Neodecanoate</a>		<a href="#">Pricing &gt;</a>
Signal Word	Warning	
Hazard Statements	H315-H319	
Hazard Codes	N/A	
Precautionary Statements	P280-P264-P302+P352-P332+P313-P305+P351+P338-P337+P313-P321-P362+P364	
Risk Codes	N/A	
Safety Statements	N/A	
Transport Information	NONH for all modes of transport	
GHS Pictograms	<a href="#">GHS07 Exclamation Point</a> 	

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## SAFETY DATA SHEET

Date Accessed: 05/25/2024

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### SECTION 1. IDENTIFICATION

**Product Identifiers:** All applicable American Elements product codes for CAS #49556-16-3

**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:  
Domestic, North America +1 800-424-9300  
International +1 703-527-3887

### SECTION 2. HAZARDS IDENTIFICATION

GHS-US classification  
Skin corrosion/irritation Category 2 H315 Causes skin irritation  
Serious eye damage/eye irritation Category 2A H319 Causes serious eye irritation  
Full text of H statements : see section 16



Signal word (GHS US) : Warning

Hazard statements (GHS US) : H315 - Causes skin irritation

H319 - Causes serious eye irritation

Precautionary statements (GHS US) : P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P264 - Wash hands thoroughly after handling.

P302+P352 - If on skin: Wash with plenty of soap and water

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337+P313 - If eye irritation persists: Get medical advice/attention.

P321 - Specific treatment (see first aid instructions on this label)

P362+P364 - Take off contaminated clothing and wash it before reuse

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### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance type : Multi-constituent

Name : BIS(NEODECANOATE)TIN, tech-90

CAS-No. : 49556-16-3

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### **SECTION 4. FIRST AID MEASURES**

Description of 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. IF exposed or concerned: Get medical advice/attention.

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 : Causes skin irritation.

Symptoms/effects after eye contact : Causes serious eye irritation.

Symptoms/effects after ingestion : May be harmful if swallowed.

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.

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## **SECTION 5. FIREFIGHTING MEASURES**

Suitable (and unsuitable) extinguishing media:

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

Unsuitable extinguishing media : Do not use straight streams.

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

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.

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## **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. Sweep or shovel spills into appropriate container for disposal.

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## 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. Provide good ventilation in process area to prevent accumulation of vapors.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed.

Incompatible materials : Oxidizing agent. Direct sunlight.

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

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## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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.

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## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state : Liquid

Appearance : Liquid. Viscous.

Molecular mass : 461.23 g/mol

Color : Amber.

Odor : Mild.

Odor threshold : No data available

Refractive index : 1.487

pH : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Melting point : No data available

Freezing point : < 0 °C

Boiling point : No data available

Flash point : > 110 °C

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapor pressure : 14 mm Hg @ 140°C

Relative vapor density at 20 °C : No data available

Relative density : 1.16

% Volatiles : < 3 %

Solubility : Insoluble in water.

Log Pow : No data available

Log Kow : No data available

Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available  
Explosive properties : No data available  
Oxidizing properties : No data available  
Explosion limits : No data available

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## **SECTION 10. STABILITY AND REACTIVITY**

### Reactivity

No additional information available

### Chemical stability

Stable in sealed containers stored under a dry inert atmosphere. Oxidizes slowly in the presence of air.

### Possibility of hazardous reactions

Direct sunlight causes slow degradation to an inorganic tin salt.

### Conditions to avoid

Heat. Open flame. Sparks.

### Incompatible materials

Oxidizing agent. Direct sunlight.

### Hazardous decomposition products

Organic acid vapors. Tin oxides.

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## **SECTION 11. TOXICOLOGICAL INFORMATION**

### Information on toxicological effects

Acute toxicity : Not classified

Neodecanoic acid (26896-20-8)

LD50 oral rat 2000 mg/kg

LD50 dermal rabbit > 3160 mg/kg

LC50 inhalation rat > 3000 mg/kg

ATE US (oral) 2000 mg/kg body weight

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

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 : Causes skin irritation.  
Symptoms/effects after eye contact : Causes serious eye irritation.  
Symptoms/effects after ingestion : May be harmful if swallowed.  
Reason for classification : Expert judgment

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## **SECTION 12. ECOLOGICAL INFORMATION**

Toxicity  
Ecology - water : Toxic to aquatic life.

Persistence and degradability  
No additional information available  
1  
Bioaccumulative potential  
No additional information available

Mobility in soil  
No additional information available

Other adverse effects  
Other adverse effects : This substance may be hazardous to the environment.  
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.  
Ecology - waste materials : Avoid release to the environment.

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## **SECTION 14. TRANSPORT INFORMATION**

UN number  
Not regulated for transport.

UN proper shipping name  
Not applicable

Additional information  
Other information : No supplementary information available.

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## **SECTION 15. REGULATORY INFORMATION**

Tin(2+) neodecanoate (49556-16-3)  
Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Neodecanoic acid (26896-20-8)  
Listed on the United States TSCA (Toxic Substances Control Act) inventory

International regulations

CANADA

Tin(2+) neodecanoate (49556-16-3)  
Listed on the Canadian NDSL (Non-Domestic Substances List)  
Neodecanoic acid (26896-20-8)  
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Tin(2+) neodecanoate (49556-16-3)  
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)  
Neodecanoic acid (26896-20-8)  
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Tin(2+) neodecanoate (49556-16-3)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Neodecanoic acid (26896-20-8)

Not listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
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. COPYRIGHT 1997-2022 AMERICAN ELEMENTS. LICENSED GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.

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