

## Safety Data Sheet



### Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1 Product identifier

**Product Name** | **KYDEX® T**  
**Synonyms** | KYDEX® Thermoplastic sheet, PVC/PMMA alloy

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

**Relevant identified use(s)** | Thermoforming

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer** | SEKISUI Polymer Innovations, LLC  
 6685 Low Street  
 Bloomsburg, PA 17815  
 United States  
 www.sekisui-spi.com  
 info@sekisui-spi.com  
**Telephone (General)** | 570-387-6997

#### 1.4 Emergency telephone number

**Manufacturer** | (570) 387-6997 - Company Emergency Telephone  
**Manufacturer** | 1-800-424-9300 - CHEMTREC

### Section 2: Hazards Identification

#### EU/EEC

According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]  
 According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

#### 2.1 Classification of the substance or mixture

**CLP** | This material is an article. This material is not expected to pose any hazards under normal conditions of use. Hazards represented on this document are due to potential dusts/vapors generated during use.  
 Specific Target Organ Toxicity Repeated Exposure 2 - H373  
**DSD/DPD** | Harmful (Xn)  
 R48/20

#### 2.2 Label Elements

**CLP**

**WARNING**



**Hazard statements** | H373 - May cause damage to organs through prolonged or repeated exposure.

**Precautionary statements**

**Prevention** | P260 - Do not breathe dust.

**Response** | P314 - Get medical advice/attention if you feel unwell.

**Storage/Disposal** | P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**DSD/DPD**



**Risk phrases** | R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.

**2.3 Other Hazards**

**CLP** | According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

**DSD/DPD** | According to European Directive 1999/45/EC this material is considered dangerous.

**United States (US)**

According to OSHA 29 CFR 1910.1200 HCS

**2.1 Classification of the substance or mixture**

**OSHA HCS 2012** | This material is an article. This material is not expected to pose any hazards under normal conditions of use. Hazards represented on this document are due to potential dusts/vapors generated during use.  
Specific Target Organ Toxicity Repeated Exposure 2 - H373  
Combustible Dust

**2.2 Label elements**

**OSHA HCS 2012**

**WARNING**



**Hazard statements** | May cause damage to organs - Lungs through prolonged or repeated exposure - H373

**Precautionary statements**

**Prevention** | Do not breathe dust. - P260

**Response** | Get medical advice/attention if you feel unwell. - P314

**Storage/Disposal** | Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

**2.3 Other hazards**

**OSHA HCS 2012** | Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

**Canada**

According to WHMIS

**2.1 Classification of the substance or mixture**

**WHMIS** | This material is an article. This material is not expected to pose any hazards under normal conditions of use. Hazards represented on this document are due to potential

dusts/vapors generated during use.  
Other Toxic Effects - D2B

## 2.2 Label elements

### WHMIS



| Other Toxic Effects - D2B

## 2.3 Other hazards

### WHMIS

| In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

## Section 3 - Composition/Information on Ingredients

### 3.1 Substances

| Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

### 3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Polyvinyl Chloride	CAS:9002-86-2	60% TO 100%	NDA	EU DSD/DPD: Self Classified: Xn R48/20 EU CLP: Self Classified: STOT RE 2, H373 OSHA HCS 2012: STOT RE 2 (Lungs); Comb. Dust	NDA
Acrylic Polymers	NDA	10% TO 30%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Comb. Dust	NDA
Organic Waxes	NDA	1% TO 5%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	CAS:57583-35-4 EINECS:260-829-0	0.6% TO 4%	NDA	EU DSD/DPD: Repr. Cat. 3 R63 T R48/25 Xn R22 R43 EU CLP: Self Classified: Repr. 2, H361d; Acute Tox. 4, H302; STOT RE 1 (Nervous system, Immune system), H372; Skin Sens. 1A, H317 OSHA HCS 2012: Skin Irrit. 2; Eye Irrit. 2B; Skin Sens. 1B; STOT RE 1 (CNS, Liver, Kidney)	NDA
Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	CAS:57583-34-3 EINECS:260-828-5	0.2% TO 2%	Ingestion/Oral- Rat LD50 • 920 mg/kg	EU DSD/DPD: Self Classified: Repr. Cat. 3 R63 EU CLP: Self Classified: Repr. 2, H361d OSHA HCS 2012: Acute Tox 4 (oral); Skin Irrit. 2; STOT RE 1 (CNS,	NDA

See Section 16 for full text of H-statements and R-phrases.

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures

- Inhalation** | If irritation occurs from dust or vapors from excessive heating, Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.
- Skin** | Cool skin rapidly with cold water after contact with hot polymer. Wash skin with soap and water. Get medical attention if symptoms occur.
- Eye** | If irritation occurs from dust or vapors from excessive heating, Flush eyes with water for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
- Ingestion** | Not a likely route of exposure.

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

- | Refer to Section 11 - Toxicological Information.

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

- Notes to Physician** | Immediate medical attention after exposure to this material not expected to be necessary. No special treatment indicated related to exposure to this material.

## Section 5 - Firefighting Measures

### 5.1 Extinguishing media

- Suitable Extinguishing Media** | Water, carbon dioxide, dry chemical or foam.

- Unsuitable Extinguishing Media** | None known.

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

- Unusual Fire and Explosion Hazards** | Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Polyvinyl chloride-based material will NOT continue to burn after ignition without an external heat source. When burning, or at temperatures above 425°F, slow evolution of hydrogen chloride could occur.

- Hazardous Combustion Products** | Hydrogen chloride, carbon monoxide, carbon dioxide.

### 5.3 Advice for firefighters

- | Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

## Section 6 - Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Personal Precautions** | No special precautions expected to be necessary if material is used under ordinary conditions and as recommended. KYDEX® Thermoplastic sheets will not spill or leak; it is solid; however, dust from machining the product may leak or spill. Wear appropriate personal protective equipment if processing dust is leaked or spilled.

- Emergency Procedures** | Contain spill and monitor for excessive dust accumulation. Avoid unnecessary personnel and equipment traffic in the spill area.

### 6.2 Environmental precautions

- | No special environmental precautions necessary.

### 6.3 Methods and material for containment and cleaning up

#### Containment/Clean-up Measures

- ▮ If dust or powder from cutting and machining the plastic sheet is spilled, vacuum or sweep up and place in containers for recovery or disposal. Avoid generating dust. Use clean nonsparking tools to collect material. Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

### 6.4 Reference to other sections

- ▮ Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling

#### Handling

- ▮ Use good safety and industrial hygiene practices. Do not use in areas without adequate ventilation. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Take proper care when moving, loading, or unloading. Electrostatic charge may build up during handling; grounding of equipment is recommended. Wear appropriate personal protective equipment when machining this product. Avoid inhalation of dust.

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

#### Storage

- ▮ Store in a dry area below 100°F (37.7°C)

### 7.3 Specific end use(s)

- ▮ Refer to Section 1.2 - Relevant identified uses.

## Section 8 - Exposure Controls/Personal Protection

### 8.1 Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Australia	Canada Ontario	Canada Quebec	China
Stannane, methyltris (2-ethylhexyloxycarbonylmethylthio) - as Tin organic compounds	STELs	0.2 mg/m3 STEL (as Sn) <i>as Tin organic compounds</i>	0.2 mg/m3 STEL (as Sn) <i>as Tin organic compounds</i>	0.2 mg/m3 STEL (as Sn) <i>as Tin organic compounds</i>	0.2 mg/m3 STEV (as Sn) <i>as Tin organic compounds</i>	Not established
	TWAs	0.1 mg/m3 TWA (as Sn) <i>as Tin organic compounds</i>	0.1 mg/m3 TWA (as Sn) <i>as Tin organic compounds</i>	0.1 mg/m3 TWA (as Sn) <i>as Tin organic compounds</i>	0.1 mg/m3 TWAEV (as Sn) <i>as Tin organic compounds</i>	Not established
8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester as Tin organic compounds	STELs	0.2 mg/m3 STEL (as Sn) <i>as Tin organic compounds</i>	0.2 mg/m3 STEL (as Sn) <i>as Tin organic compounds</i>	0.2 mg/m3 STEL (as Sn) <i>as Tin organic compounds</i>	0.2 mg/m3 STEV (as Sn) <i>as Tin organic compounds</i>	Not established
	TWAs	0.1 mg/m3 TWA (as Sn) <i>as Tin organic</i>	0.1 mg/m3 TWA (as Sn) <i>as Tin organic</i>	0.1 mg/m3 TWA (as Sn) <i>as Tin organic</i>	0.1 mg/m3 TWAEV (as Sn) <i>as Tin organic</i>	Not established

		compounds	compounds	compounds	compounds	
Polyvinyl Chloride (9002-86-2)	STELs	Not established	Not established	Not established	Not established	10 mg/m3 STEL (total dust)
	TWAs	1 mg/m3 TWA (respirable fraction)	Not established	1 mg/m3 TWA (respirable)	Not established	5 mg/m3 TWA (total dust)

**Exposure Limits/Guidelines (Con't.)**

	Result	France	Germany DFG	Hong Kong	Ireland	Japan
Stannane, methyltris (2-ethylhexyloxycarbonylmethylthio) - as Tin organic compounds	STELs	0.2 mg/m3 STEL [VLCT] (as Sn)  <i>as Tin organic compounds</i>	Not established	0.2 mg/m3 STEL (as Sn)  <i>as Tin organic compounds</i>	0.2 mg/m3 STEL (as Sn)  <i>as Tin organic compounds</i>	Not established
	TWAs	0.1 mg/m3 TWA [VME] (as Sn)  <i>as Tin organic compounds</i>	Not established	Not established	0.1 mg/m3 TWA (as Sn)  <i>as Tin organic compounds</i>	Not established
	Ceilings	Not established	0.2 mg/m3 Peak (inhalable fraction, as Sn)  <i>as Tin organic compounds</i>	Not established	Not established	Not established
	MAKs	Not established	0.1 mg/m3 TWA MAK (inhalable fraction, as Sn)  <i>as Tin organic compounds</i>	Not established	Not established	Not established
8-Oxa-3,5-dithia-4- stannatetradecanoic acid, 10-ethyl-4,4- dimethyl-7-oxo-, 2- ethylhexyl ester as Tin organic compounds	STELs	0.2 mg/m3 STEL [VLCT] (as Sn)  <i>as Tin organic compounds</i>	Not established	0.2 mg/m3 STEL (as Sn)  <i>as Tin organic compounds</i>	0.2 mg/m3 STEL (as Sn)  <i>as Tin organic compounds</i>	Not established
	TWAs	0.1 mg/m3 TWA [VME] (as Sn)  <i>as Tin organic compounds</i>	Not established	Not established	0.1 mg/m3 TWA (as Sn)  <i>as Tin organic compounds</i>	Not established
	Ceilings	Not established	0.2 mg/m3 Peak (inhalable fraction, as Sn)  <i>as Tin organic compounds</i>	Not established	Not established	Not established
	MAKs	Not established	0.1 mg/m3 TWA MAK (inhalable fraction, as Sn)  <i>as Tin organic compounds</i>	Not established	Not established	Not established

Polyvinyl Chloride (9002-86-2)	TWAs	Not established	Not established	Not established	10 mg/m3 TWA (total inhalable dust); 1 mg/m3 TWA (respirable dust)	4 mg/m3 OEL (Class 2 Dust, total dust); 1 mg/m3 OEL (Class 2 Dust, respirable dust)
	MAKs	Not established	1.5 mg/m3 TWA MAK (respirable fraction)	Not established	Not established	Not established

**Exposure Limits/Guidelines (Con't.)**

	Result	Mexico	NIOSH	OSHA	Singapore	South Africa
Stannane, methyltris (2-ethylhexyloxycarbonylmethylthio) - as Tin organic compounds	STELs	0.2 mg/m3 STEL [LMPE-CT] (as Sn)  <i>as Tin organic compounds</i>	Not established	Not established	0.2 mg/m3 STEL (as Sn)  <i>as Tin organic compounds</i>	0.2 mg/m3 STEL (except Cyhexatin, as Sn)  <i>as Tin organic compounds</i>
	TWAs	0.1 mg/m3 TWA LMPE-PPT (as Sn)  <i>as Tin organic compounds</i>	0.1 mg/m3 TWA (except Cyhexatin, as Sn)  <i>as Tin organic compounds</i>	0.1 mg/m3 TWA (as Sn)  <i>as Tin organic compounds</i>	0.1 mg/m3 PEL (as Sn)  <i>as Tin organic compounds</i>	0.1 mg/m3 TWA (except Cyhexatin, as Sn)  <i>as Tin organic compounds</i>
8-Oxa-3,5-dithia-4- stannatetradecanoic acid, 10-ethyl-4,4- dimethyl-7-oxo-, 2- ethylhexyl ester as Tin organic compounds	STELs	0.2 mg/m3 STEL [LMPE-CT] (as Sn)  <i>as Tin organic compounds</i>	Not established	Not established	0.2 mg/m3 STEL (as Sn)  <i>as Tin organic compounds</i>	0.2 mg/m3 STEL (except Cyhexatin, as Sn)  <i>as Tin organic compounds</i>
	TWAs	0.1 mg/m3 TWA LMPE-PPT (as Sn)  <i>as Tin organic compounds</i>	0.1 mg/m3 TWA (except Cyhexatin, as Sn)  <i>as Tin organic compounds</i>	0.1 mg/m3 TWA (as Sn)  <i>as Tin organic compounds</i>	0.1 mg/m3 PEL (as Sn)  <i>as Tin organic compounds</i>	0.1 mg/m3 TWA (except Cyhexatin, as Sn)  <i>as Tin organic compounds</i>
Polyvinyl Chloride (9002-86-2)	TWAs	Not established	Not established	Not established	Not established	10 mg/m3 TWA (total inhalable dust); 5 mg/m3 TWA (respirable dust)

**Exposure Limits/Guidelines (Con't.)**

	Result	Spain
Stannane, methyltris (2-ethylhexyloxycarbonylmethylthio) - as Tin organic compounds	STELs	0.2 mg/m3 STEL [VLA- EC] (as Sn)  <i>as Tin organic compounds</i>
	TWAs	0.1 mg/m3 TWA [VLA- ED] (as Sn)  <i>as Tin organic compounds</i>
8-Oxa-3,5-dithia-4- stannatetradecanoic	STELs	0.2 mg/m3 STEL [VLA- EC] (as Sn)  <i>as Tin organic</i>

acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester as Tin organic compounds		<i>compounds</i>
	TWAs	0.1 mg/m <sup>3</sup> TWA [VLA-ED] (as Sn)  <i>as Tin organic compounds</i>

## Exposure Control Notations

### Australia

- 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester as Tin organic compounds: **Skin:** (skin notation)
- Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)- as Tin organic compounds: **Skin:** (skin notation)

### Japan

- Polyvinyl Chloride (9002-86-2): **Sensitizers:** (Group 2 skin sensitizer (plasticizers, evaluation does not necessarily apply to all individuals within the group))

### Mexico

- 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester as Tin organic compounds: **Carcinogens:** (A4 - Not classifiable as a human carcinogen) | **Skin:** (Skin - potential for cutaneous absorption)
- Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)- as Tin organic compounds: **Carcinogens:** (A4 - Not classifiable as a human carcinogen) | **Skin:** (Skin - potential for cutaneous absorption)

### South Africa

- 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester as Tin organic compounds: **Skin:** (Skin Notation (except Cyhexatin))
- Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)- as Tin organic compounds: **Skin:** (Skin Notation (except Cyhexatin))

### Canada Ontario

- 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester as Tin organic compounds: **Skin:** (Absorption through skin, eyes, or mucous membranes)
- Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)- as Tin organic compounds: **Skin:** (Absorption through skin, eyes, or mucous membranes)

### Canada Quebec

- 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester as Tin organic compounds: **Skin:** (Skin designation)
- Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)- as Tin organic compounds: **Skin:** (Skin designation)

### Spain

- 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester as Tin organic compounds: **Skin:** (skin - potential for cutaneous exposure)
- Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)- as Tin organic compounds: **Skin:** (skin - potential for cutaneous exposure)

### ACGIH

- Polyvinyl Chloride (9002-86-2): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)
- 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester as Tin organic compounds: **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen) | **Skin:** (Skin - potential significant contribution to overall exposure by the cutaneous route)
- Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)- as Tin organic compounds: **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen) | **Skin:** (Skin - potential significant contribution to overall exposure by the cutaneous route)

### Germany DFG

- Polyvinyl Chloride (9002-86-2): **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to)
- 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester as Tin organic compounds: **Pregnancy:** (classification not yet possible (calculated as Sn)) | **Skin:** (skin notation)
- Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)- as Tin organic compounds: **Pregnancy:** (classification not yet possible (calculated as Sn)) | **Skin:** (skin notation)

## Exposure Limits Supplemental

### Ireland

- 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester as Tin Compounds: **Under Consideration:** (Under review (SCOEL))
- Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)- as Tin Compounds: **Under Consideration:** (Under review (SCOEL))

### Spain

- Polyvinyl Chloride (9002-86-2): **Under Review:** (1.5 mg/m<sup>3</sup> VLA-ED; respirable fraction)



**ACGIH**

- Polyvinyl Chloride (9002-86-2): **TLV Basis - Critical Effects:** (lower respiratory tract irritation; pneumoconiosis; pulmonary function)
- 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester as Tin organic compounds: **TLV Basis - Critical Effects:** (eye and upper respiratory tract irritation; headache; nausea; CNS and immune effects)
- Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)- as Tin organic compounds: **TLV Basis - Critical Effects:** (eye and upper respiratory tract irritation; headache; nausea; CNS and immune effects)

**8.2 Exposure controls**

**Engineering Measures/Controls**

| Ensure that dust handling systems (such as exhaust ducts, dust collectors, vessels and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is not leakage from the equipment). It is recommended that dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Use only appropriately classified electrical equipment.

**Personal Protective Equipment**

**Respiratory**

| For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

**Eye/Face**

| Wear safety goggles.

**Hands**

| Wear appropriate gloves.

**Skin/Body**

| Wear long sleeves and/or protective coveralls.

**General Industrial Hygiene Considerations**

| Wash hands before eating.

**Environmental Exposure Controls**

| Follow best practice for site management and disposal of waste.

**Key to abbreviations**

ACGIH = American Conference of Governmental Industrial Hygiene

STEL = Short Term Exposure Limits are based on 15-minute exposures

MSHA = Mine Safety and Health Administration

TLV = Threshold Limit Value determined by the American Conference of Governmental Industrial Hygienists (ACGIH)

NIOSH = National Institute of Occupational Safety and Health

TWAEV = Time-Weighted Average Exposure Value

OSHA = Occupational Safety and Health Administration

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

**Section 9 - Physical and Chemical Properties**

**9.1 Information on Physical and Chemical Properties**

<b>Material Description</b>			
Physical Form	Solid	Appearance/Description	Thermoplastic sheet in various colors with no odor.
Color	Various	Odor	Odorless
Odor Threshold	Data lacking		
<b>General Properties</b>			
Boiling Point	Not relevant	Melting Point	Material does not exhibit a melting point but softens over a wide temperature range
Decomposition Temperature	218 C(424.4 F)	pH	Not relevant
Specific Gravity/Relative Density	1.31 to 1.35 Water=1	Water Solubility	Negligible < 0.1 %
Viscosity	Data lacking	Explosive Properties	Data lacking

Oxidizing Properties:	Data lacking		
<b>Volatility</b>			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking		
<b>Flammability</b>			
Flash Point	390 C(734 F)	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
<b>Environmental</b>			
Octanol/Water Partition coefficient	Data lacking		

## 9.2 Other Information

- No additional physical and chemical parameters noted.

## Section 10: Stability and Reactivity

### 10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

- Stable under normal temperatures and pressures.

### 10.3 Possibility of hazardous reactions

- Hazardous polymerization not indicated.

### 10.4 Conditions to avoid

- Avoid temperatures of 425°F and above.

### 10.5 Incompatible materials

- Polyvinyl chloride-based materials should not come in contact with acetal or acetal polymers in elevated temperature processing equipment. The two materials are not compatible and will react in violent decomposition when mixed under conditions of heat and pressure.

### 10.6 Hazardous decomposition products

- Carbon monoxide, carbon dioxide, hydrogen chloride.

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

Components		
Polyvinyl Chloride (60% TO 100%)	9002-86-2	<b>Multi-dose Toxicity:</b> Intratracheal-Rat TDLo • 50 mg/kg 3 Week(s)-Intermittent; <i>Lungs, Thorax, or Respiration:Fibrosing alveolitis; Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels:Dehydrogenases;</i> <b>Tumorigen / Carcinogen:</b> Ingestion/Oral-Rat TDLo • 210 g/kg 30 Week(s)-Continuous; <i>Tumorigenic:Equivocal tumorigenic agent by RTECS criteria; Lungs, Thorax, or Respiration:Tumors; Skin and Appendages:Other:Tumors</i>
Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)- (0.2% TO 2%)	57583-34-3	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 920 mg/kg

### GHS Properties

### Classification

<b>Acute toxicity</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Aspiration Hazard</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Carcinogenicity</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Germ Cell Mutagenicity</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Skin corrosion/Irritation</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Skin sensitization</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>STOT-RE</b>	EU/CLP • Specific Target Organ Toxicity Repeated Exposure 2 OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 2
<b>STOT-SE</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Toxicity for Reproduction</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Respiratory sensitization</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Serious eye damage/Irritation</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking

## Potential Health Effects

### Inhalation

- Acute (Immediate)** | Exposure to dust may cause irritation. Processes such as cutting, grinding, crushing, or impact may result in generation of excessive amounts of airborne dusts in the workplace. Nuisance dust may affect the lungs but reactions are typically reversible.
- Chronic (Delayed)** | Prolonged exposure to the dust may cause wheezing, chest tightness, productive cough nasal irritation and symptoms of chronic respiratory disease.

### Skin

- Acute (Immediate)** | Exposure to dust may cause mechanical irritation.
- Chronic (Delayed)** | No data available.

### Eye

- Acute (Immediate)** | Exposure to dust may cause mechanical irritation. Excessive concentrations of nuisance dust in the workplace may reduce visibility and may cause unpleasant deposits in eyes.
- Chronic (Delayed)** | No data available.

### Ingestion

- Acute (Immediate)** | Excessive concentrations of nuisance dust in the workplace may cause mechanical irritation to mucous membranes.
- Chronic (Delayed)** | No data available

### Carcinogenic Effects

- | This material contains a component that may cause cancer, however, based on regulatory criteria this material is not classified as a carcinogen.

#### Key to abbreviations

LD = Lethal Dose

TD = Toxic Dose

## Section 12 - Ecological Information

### 12.1 Toxicity

| Material data lacking.

### 12.2 Persistence and degradability

| Material data lacking.

### 12.3 Bioaccumulative potential

| Material data lacking.

### 12.4 Mobility in Soil

| Material data lacking.

### 12.5 Results of PBT and vPvB assessment

| PBT and vPvB assessment has not been carried out.

### 12.6 Other adverse effects

| Material data lacking.

## Section 13 - Disposal Considerations

### 13.1 Waste treatment methods

#### Product waste

| Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

#### Packaging waste

| Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

#### 14.6 Special precautions for user

| None specified.

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

| Data lacking.

## Section 15 - Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications | Chronic

State Right To Know				
Component	CAS	MA	NJ	PA
8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	No	No	No
Polyvinyl Chloride	9002-86-2	No	Yes	No
Stannane, methyltris (2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	No	No	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Yes	No	Yes	Yes	No
Polyvinyl Chloride	9002-86-2	Yes	No	Yes	No	Yes
Stannane, methyltris (2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Yes	No	Yes	Yes	No

Inventory (Con't.)				
Component	CAS	Japan ENCS	Korea KECL	TSCA
8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Yes	Yes	Yes
Polyvinyl Chloride	9002-86-2	Yes	Yes	Yes
Stannane, methyltris (2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Yes	Yes	Yes

## Australia

### Labor

#### Australia - Work Health and Safety Regulations - Hazardous Substances Requiring Health Monitoring

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Not Listed

#### Australia - High Volume Industrial Chemicals List

• Polyvinyl Chloride	9002-86-2	
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Not Listed

#### Australia - List of Designated Hazardous Substances - Classification

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Not Listed

## Environment

### Australia - National Pollutant Inventory (NPI) Substance List

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Not Listed

### Australia - Ozone Protection Act - Scheduled Substances

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Not Listed

### Australia - Priority Existing Chemical Program

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Not Listed

## Canada

### Labor

#### Canada - WHMIS - Classifications of Substances

• Polyvinyl Chloride	9002-86-2	Uncontrolled product according to WHMIS classification criteria
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Not Listed

#### Canada - WHMIS - Ingredient Disclosure List

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Not Listed

### Environment

#### Canada - CEPA - Priority Substances List

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Not Listed

## Europe

### Other

#### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Not Listed

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits**

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Not Listed

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling**

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Not Listed

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations**

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Not Listed

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases**

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Not Listed

**Germany****Environment****Germany - TA Luft - Types and Classes**

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Not Listed

**Germany - TA Luft - Emission Limits for Carcinogenic Substances**

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Not Listed

**Germany - TA Luft - Emission Limits for Fibers**

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Not Listed

**Germany - TA Luft - Emission Limits for Inorganic Dusts**

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Not Listed

**Germany - TA Luft - Emission Limits for Inorganic Gases**

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed

• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)- 57583-34-3 Not Listed

**Germany - TA Luft - Emission Limits for Organic Substances**

• Polyvinyl Chloride 9002-86-2 Not Listed  
 • 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester 57583-35-4 Not Listed  
 • Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)- 57583-34-3 Not Listed

**Germany - Water Classification (VwVwS) - Annex 1**

• Polyvinyl Chloride 9002-86-2 Not Listed  
 • 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester 57583-35-4 Not Listed  
 • Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)- 57583-34-3 Not Listed

**Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes**

• Polyvinyl Chloride 9002-86-2 Not Listed  
 • 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester 57583-35-4 ID Number 575, hazard class 2 - hazard to waters  
 • Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)- 57583-34-3 ID Number 576, hazard class 2 - hazard to waters

**Germany - Water Classification (VwVwS) - Annex 3**

• Polyvinyl Chloride 9002-86-2 Not Listed  
 • 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester 57583-35-4 Not Listed  
 • Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)- 57583-34-3 Not Listed

**Japan**

**Environment**

**Inventory - Japan - Industrial Safety and Health Law Substances (ISHL)**

• Polyvinyl Chloride 9002-86-2 Not Listed  
 • 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester 57583-35-4 Not Listed  
 • Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)- 57583-34-3 Not Listed

**United States**

**Labor**

**U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

• Polyvinyl Chloride 9002-86-2 Not Listed  
 • 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester 57583-35-4 Not Listed  
 • Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)- 57583-34-3 Not Listed

**U.S. - OSHA - Specifically Regulated Chemicals**

• Polyvinyl Chloride 9002-86-2 Not Listed  
 • 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester 57583-35-4 Not Listed  
 • Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)- 57583-34-3 Not Listed

**Environment**

**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

• Polyvinyl Chloride 9002-86-2 Not Listed  
 • 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester 57583-35-4 Not Listed



• Stannane, methyltris(2-ethylhexyloxy carbonylmethylthio)-	57583-34-3	Not Listed
<b>U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities</b>		
• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxy carbonylmethylthio)-	57583-34-3	Not Listed
<b>U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities</b>		
• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxy carbonylmethylthio)-	57583-34-3	Not Listed
<b>U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs</b>		
• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxy carbonylmethylthio)-	57583-34-3	Not Listed
<b>U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs</b>		
• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxy carbonylmethylthio)-	57583-34-3	Not Listed
<b>U.S. - CERCLA/SARA - Section 313 - Emission Reporting</b>		
• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxy carbonylmethylthio)-	57583-34-3	Not Listed
<b>U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing</b>		
• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxy carbonylmethylthio)-	57583-34-3	Not Listed
<b>U.S. - RCRA (Resource Conservation &amp; Recovery Act) - Basis for Listing - Appendix VII</b>		
• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxy carbonylmethylthio)-	57583-34-3	Not Listed
<b>U.S. - RCRA (Resource Conservation &amp; Recovery Act) - Constituents for Detection Monitoring</b>		
• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxy carbonylmethylthio)-	57583-34-3	Not Listed
<b>U.S. - RCRA (Resource Conservation &amp; Recovery Act) - Hazardous Constituents - Appendix VIII to 40 CFR 261</b>		
• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxy carbonylmethylthio)-	57583-34-3	Not Listed

**U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents**

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxy carbonylmethylthio)-	57583-34-3	Not Listed

**U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards**

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxy carbonylmethylthio)-	57583-34-3	Not Listed

**U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring**

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxy carbonylmethylthio)-	57583-34-3	Not Listed

**U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics**

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxy carbonylmethylthio)-	57583-34-3	Not Listed

**United States - California**

**Environment**

**U.S. - California - Proposition 65 - Carcinogens List**

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxy carbonylmethylthio)-	57583-34-3	Not Listed

**U.S. - California - Proposition 65 - Developmental Toxicity**

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxy carbonylmethylthio)-	57583-34-3	Not Listed

**U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)**

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxy carbonylmethylthio)-	57583-34-3	Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Female**

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxy carbonylmethylthio)-	57583-34-3	Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Male**

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed

• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Not Listed
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## United States - Pennsylvania

### Labor

#### U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Not Listed

#### U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Polyvinyl Chloride	9002-86-2	Not Listed
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	Not Listed
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Not Listed

## 15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

## 15.3 Other Information

- WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

## Section 16 - Other Information

### Relevant Phrases (code & full text)

- H302 - Harmful if swallowed
- H317 - May cause an allergic skin reaction
- H361d - Suspected of damaging the unborn child.
- H372 - Causes damage to organs through prolonged or repeated exposure.
- H400 - Very toxic to aquatic life
- R22 - Harmful if swallowed.
- R43 - May cause sensitisation by skin contact.
- R48/25 - Toxic: danger of serious damage to health by prolonged exposure if swallowed.
- R50 - Very toxic to aquatic organisms.
- R63 - Possible risk of harm to the unborn child.

### Last Revision Date

- 04/December/2014

### Preparation Date

- 03/December/2014

### Disclaimer/Statement of Liability

- Because we cannot anticipate or control the many different conditions under which this information and our products may be used, we do not guarantee the applicability of the accuracy of this information or the suitability of our products in any given situation. Users should conduct their own tests to determine the suitability of each product for their particular purposes. Data in the physical property table represents typical values and are to serve only as a guide for engineering design. Results are obtained from specimens under ideal laboratory conditions. Right to change physical properties as a result of technical progress is reserved. THE PRODUCTS DISCUSSED ARE SOLD WITHOUT WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, EITHER EXPRESSED OR IMPLIED, EXCEPT AS PROVIDED IN OUR STANDARD TERMS AND CONDITIONS OF SALE. Buyer assumes all responsibility for loss or damage arising from the handling and use of our products, whether done in accordance with directions or not. In no event shall the supplier or the manufacturer be liable for incidental or consequential damages. Also, statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent. Consult local code and regulatory agencies for specific requirements regarding code compliance,

transporting, processing, recycling and disposal of our product. Product not intended for use as a heat resistant surface. Texture, product grade and other conditions may cause variations in appearance.

**Key to abbreviations**

NDA = No Data Available

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