

Safety Data Sheet

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

1.1 Product identifier

- Product Name** • **KYDEX® T-IM**
- Synonyms** • KYDEX® injection molding resin, PVC/PMMA alloy

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

- Relevant identified use(s)** • Injection Molding

1.3 Details of the supplier of the safety data sheet

- Manufacturer** • SEKISUI KYDEX, LLC
6685 Low Street
Bloomsburg, PA 17815
United States
- info@kydex.com
- Telephone (General)** • 1-570-387-6997

1.4 Emergency telephone number

- Manufacturer** • 1-570-387-6997
- 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 2015/830]

2.1 Classification of the substance or mixture

- CLP** • Skin Sensitization 1 - H317
Specific Target Organ Toxicity Repeated Exposure 2 - H373

2.2 Label Elements

CLP

WARNING



- Hazard statements** • H317 - May cause an allergic skin reaction
H373 - May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

- Prevention** • P260 - Do not breathe dust.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves .
- Response** • P302+P352 - IF ON SKIN: Wash with plenty of water.
P362+P364 - Take off contaminated clothing and wash it before reuse.

P321 - Specific treatment, see supplemental first aid information.
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 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.

2.3 Other Hazards

- CLP**
- May form combustible dust concentrations in air.
According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

UN GHS Revision 3

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS): Third Revised Edition

2.1 Classification of the substance or mixture

- UN GHS**
- Skin Irritation 2
Skin Sensitization 1
Eye Mild Irritation 2B
Specific Target Organ Toxicity Repeated Exposure 1
Specific Target Organ Toxicity Repeated Exposure 2

2.2 Label elements

UN GHS

DANGER



- Hazard statements** • Causes skin irritation
May cause an allergic skin reaction
Causes eye irritation
Causes damage to organs through prolonged or repeated exposure.
May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

- Prevention** • Do not breathe dust.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves .
- Response** • IF ON SKIN: Wash with plenty of soap and water.
Take off contaminated clothing and wash before reuse.
Specific treatment, see supplemental first aid information.
If skin irritation or rash occurs: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
- Storage/Disposal** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

- Supplemental information** • 91.29 - 95.03 percent of this product consists of an ingredient of unknown toxicity.

2.3 Other hazards

- UN GHS**
- May form combustible dust concentrations in air.
According to the Globally Harmonized System for Classification and Labeling (GHS) this product is considered hazardous

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012

- Skin Irritation 2
- Skin Sensitization 1
- Eye Mild Irritation 2B
- Specific Target Organ Toxicity Repeated Exposure 1
- Specific Target Organ Toxicity Repeated Exposure 2
- Combustible Dust

2.2 Label elements

OSHA HCS 2012

DANGER

- Hazard statements**
- Causes skin irritation
 - May cause an allergic skin reaction
 - Causes eye irritation
 - Causes damage to organs through prolonged or repeated exposure.
 - May cause damage to organs through prolonged or repeated exposure.
 - May form combustible dust concentrations in air.

Precautionary statements

- Prevention**
- Do not breathe dust.
 - Wash thoroughly after handling.
 - Do not eat, drink or smoke when using this product.
 - Contaminated work clothing should not be allowed out of the workplace.
 - Wear protective gloves .
- Response**
- If on skin: Wash with plenty of water.
 - Take off contaminated clothing and wash before reuse.
 - Specific treatment, see supplemental first aid information.
 - If skin irritation or rash occurs: Get medical advice/attention.
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - If eye irritation persists: Get medical advice/attention.
 - Get medical advice/attention if you feel unwell.
- Storage/Disposal**
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

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 2015

2.1 Classification of the substance or mixture

WHMIS 2015

- Skin Irritation 2
- Skin Sensitization 1
- Eye Mild Irritation 2B
- Specific Target Organ Toxicity Repeated Exposure 1
- Specific Target Organ Toxicity Repeated Exposure 2
- Combustible Dusts 1

2.2 Label elements

WHMIS 2015

DANGER



- Hazard statements**
- Causes skin irritation
 - May cause an allergic skin reaction
 - Causes eye irritation
 - Causes damage to organs through prolonged or repeated exposure.
 - May cause damage to organs through prolonged or repeated exposure.
 - May form combustible dust concentrations in air.

Precautionary statements

- Prevention**
- Do not breathe dust.
 - Wash thoroughly after handling.
 - Do not eat, drink or smoke when using this product.
 - Contaminated work clothing should not be allowed out of the workplace.
 - Wear protective gloves .
- Response**
- IF ON SKIN: Wash with plenty of water.
 - Take off contaminated clothing and wash it before reuse.
 - Specific treatment, see supplemental first aid information.
 - If skin irritation or rash occurs: Get medical advice/attention.
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - If eye irritation persists: Get medical advice/attention.
 - Get medical advice/attention if you feel unwell.
- Storage/Disposal**
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other hazards

WHMIS 2015

- 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.

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 CLP: STOT RE 2, H373 (Lungs, Inhl) UN GHS Revision 3: STOT RE 2 (Lungs, Inhl) OSHA HCS 2012: Comb. Dust; STOT RE 2 (Lungs, Inhl) WHMIS 2015: Comb. Dust; STOT RE 2 (Lungs, Inhl)	NDA
				EU CLP: Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 UN GHS Revision 3: Skin Irrit. 2; Eye	

Acrylic Impact Modifiers/Processing Aids	Proprietary	7% TO 13%	NDA	Irrit. 2; Skin Sens. 1 OSHA HCS 2012: Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1 WHMIS 2015: Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1	NDA
Organic Waxes	Proprietary	1% TO 5%	NDA	EU CLP: Not Classified UN GHS Revision 3: Not Classified OSHA HCS 2012: Comb. Dust WHMIS 2015: Comb. Dust	NDA
Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	CAS:57583-34-3 EU Index:050-026-00-1 EINECS:260-828-5	0.2% TO 2%	Ingestion/Oral-Rat LD50 • 920 mg/kg	EU CLP: Annex VI, Table 3.1: Repr. 2, H361d UN GHS Revision 3: Acute Tox 4 (Orl); Skin Irrit. 2; STOT RE 1 (CNS, Liver, Kidney); Acute tox 3 (Skn) OSHA HCS 2012: Acute Tox 4 (Orl); Skin Irrit. 2; STOT RE 1 (CNS, Liver, Kidney); Acute tox 3 (Skn) WHMIS 2015: Acute Tox 4 (Orl); Skin Irrit. 2; STOT RE 1 (CNS, Liver, Kidney); Acute tox 3 (Skn)	NDA
8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	CAS:57583-35-4 EU Index:050-028-00-2 EINECS:260-829-0	0.2% TO 2%	NDA	EU CLP: Annex VI, Table 3.1: Repr. 2, H361d; Acute Tox. 4, H302; STOT RE 1, H372 (nervous system, immune system); Skin Sens. 1A, H317 UN GHS Revision 3: Skin Irrit. 2; Eye Irrit. 2B; Skin Sens. 1B; STOT RE 1 (CNS, Liver, Kidney); Acute Tox. 4 (Oral) OSHA HCS 2012: Skin Irrit. 2; Eye Irrit. 2B; Skin Sens. 1B; STOT RE 1 (CNS, Liver, Kidney); Acute Tox. 4 (Oral) WHMIS 2015: Skin Irrit. 2; Eye Irrit. 2B; Skin Sens. 1B; STOT RE 1 (CNS, Liver, Kidney); Acute Tox. 4 (Oral)	NDA
Stearic acid, calcium salt	CAS:1592-23-0 EINECS:216-472-8	0.1% TO 1%	Ingestion/Oral-Rat LD50 • >10 g/kg	EU CLP: Not Classified UN GHS Revision 3: Not Classified OSHA HCS 2012: Comb. Dust WHMIS 2015: Comb. Dust	NDA

See Section 16 for full text of H-statements.

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 • No data available

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. Do not breathe dust.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Keep container/package tightly closed in a cool, well-ventilated place.

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
8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	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
Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	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
Polyvinyl Chloride	STELs	Not established	Not established	Not established	Not established	10 mg/m3 STEL (total dust)
	TWAs	1 mg/m3 TWA (respirable particulate matter)	Not established	1 mg/m3 TWA (respirable)	10 mg/m3 TWAEV (including dust, inert or nuisance particulates; containing no Asbestos and <1% Crystalline silica, total dust) <i>as Particulates not otherwise classified (PNOC)</i>	5 mg/m3 TWA (total dust)
Exposure Limits/Guidelines (Con't.)						
	Result	France	Germany DFG	Germany TRGS	Hong Kong	Ireland

8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester (57583-35-4)	STELs	0.2 mg/m3 STEL [VLCT] (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 <i>as Tin organic compounds</i>
	TWAs	0.1 mg/m3 TWA [VME] (as Sn) <i>as Tin organic compounds</i>	Not established	0.01 ppm TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed; sum of vapor and aerosol; the limit values at the workplace is related to the elemental content of the metal, exposure factor 2); 0.05 mg/m3 TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed; sum of vapor and aerosol; the limit values at the workplace is related to the elemental content of the metal, exposure factor 2)	Not established	0.1 mg/m3 TWA (as Sn) <i>as Tin organic compounds</i>
	Ceilings	Not established	0.02 ppm Peak (can occur as vapor and aerosol at the same time); 0.1 mg/m3 Peak (can occur as vapor and aerosol at the same time)	Not established	Not established	Not established
	MAKs	Not established	0.01 ppm TWA MAK (can occur as vapor and aerosol at the same time); 0.05 mg/m3 TWA MAK (can occur as vapor and aerosol at the same time)	Not established	Not established	Not established
		0.2 mg/m3 STEL [VLCT] (as Sn)			0.2 mg/m3 STEL (as Sn)	0.2 mg/m3 STEL

Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	STELs	<i>as Tin organic compounds</i>	Not established	Not established	<i>as Tin organic compounds</i>	<i>as Tin organic compounds</i>
	TWAs	0.1 mg/m3 TWA [VME] (as Sn) <i>as Tin organic compounds</i>	Not established	Not established	Not established	0.1 mg/m3 TWA (as Sn) <i>as Tin organic compounds</i>
Polyvinyl Chloride (9002-86-2)	TWAs	10 mg/m3 TWA [VME] (restrictive limit, inhalable); 5 mg/m3 TWA [VME] (restrictive limit, alveolar fraction) <i>as Particulates not otherwise classified (PNOC)</i>	Not established	Not established	Not established	10 mg/m3 TWA (total inhalable dust); 1 mg/m3 TWA (respirable dust; respirable fraction)
	STELs	Not established	Not established	Not established	Not established	30 mg/m3 STEL (calculated, total inhalable dust); 3 mg/m3 STEL (calculated, respirable dust; respirable fraction)
	Ceilings	Not established	2.4 mg/m3 Peak (multiplied by the material density, respirable fraction)	Not established	Not established	Not established
	MAKs	Not established	0.3 mg/m3 TWA MAK (multiplied by the material density, respirable fraction)	Not established	Not established	Not established

Exposure Limits/Guidelines (Con't.)

	Result	Japan	Mexico	NIOSH	OSHA	Singapore
8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	STELs	Not established	0.2 mg/m3 STEL [PPT-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>
	TWAs	Not established	0.1 mg/m3 TWA VLE-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>
Stannane, methyltris(2-	STELs	Not established	0.2 mg/m3 STEL [PPT-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>

ethylhexyloxycarbonylmethylthio)-	TWAs	Not established	0.1 mg/m3 TWA VLE-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>
Polyvinyl Chloride	TWAs	4 mg/m3 OEL (Class 2 Dust, total dust); 1 mg/m3 OEL (Class 2 Dust, respirable dust)	Not established	Not established	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction) <i>as Particulates not otherwise classified (PNOC)</i>	10 mg/m3 PEL <i>as Particulates not otherwise classified (PNOC)</i>

Exposure Limits/Guidelines (Con't.)

	Result	South Africa	Spain
8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	STELs	0.2 mg/m3 STEL (except Cyhexatin, as Sn) <i>as Tin organic compounds</i>	0.2 mg/m3 STEL [VLA-EC] (as Sn) <i>as Tin organic compounds</i>
	TWAs	0.1 mg/m3 TWA (except Cyhexatin, as Sn) <i>as Tin organic compounds</i>	0.1 mg/m3 TWA [VLA-ED] (as Sn) <i>as Tin organic compounds</i>
Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	STELs	0.2 mg/m3 STEL (except Cyhexatin, as Sn) <i>as Tin organic compounds</i>	0.2 mg/m3 STEL [VLA-EC] (as Sn) <i>as Tin organic compounds</i>
	TWAs	0.1 mg/m3 TWA (except Cyhexatin, as Sn) <i>as Tin organic compounds</i>	0.1 mg/m3 TWA [VLA-ED] (as Sn) <i>as Tin organic compounds</i>
Polyvinyl Chloride	TWAs	10 mg/m3 TWA (total inhalable dust); 5 mg/m3 TWA (respirable dust)	1.5 mg/m3 TWA [VLA-ED] (see UNE EN 481:1995 on workplace atmospheres. Definition of fractions by particle size for aerosol measurement, respirable fraction)

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:** (Danger of cutaneous absorption)

•Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)- as Tin organic compounds: **Skin:** (Danger of cutaneous absorption)

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 absorption)

•Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)- as Tin organic compounds: **Skin:** (skin - potential for cutaneous absorption)

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): **Carcinogens:** (Category 4 (no significant contribution to human cancer)) | **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 (57583-35-4): **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to)

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))

OSHA

•Polyvinyl Chloride as Particulates not otherwise classified (PNOC): **Mineral Dusts:** (15 mppcf TWA (respirable fraction); 5 mg/m³ TWA (respirable fraction); 50 mppcf TWA (total dust); 15 mg/m³ TWA (total dust))

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

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

Controls

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

MAK = Maximale Arbeitsplatz Konzentration is the maximum permissible concentration

MSHA = Mine Safety and Health Administration

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

PEL = Permissible Exposure Level determined by the Occupational Safety and Health Administration (OSHA)

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

STEV = Short Term Exposure Value

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

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

TWAEV = Time-Weighted Average Exposure Value

Section 9 - Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Pellets (primary form), granules, powder (secondary form) in various colors with no odor.
Color	Various	Odor	Odorless
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point/Freezing Point	Data lacking
Decomposition Temperature	218 °C(424.4 °F)	pH	Data lacking
Specific Gravity/Relative Density	= 1.34 Water=1	Water Solubility	Negligible < 0.1 %
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		
Volatility			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking	VOC (Wt.)	0 %
VOC (Vol.)	0 %	Volatiles (Wt.)	0 %
Volatiles (Vol.)	0 %		
Flammability			
Flash Point	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
Environmental			
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

- Excess heat.

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	Tumorigen / Carcinogen: 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	Acute Toxicity: Ingestion/Oral-Rat LD50 • 920 mg/kg

GHS Properties	Classification
Acute toxicity	EU/CLP • Data lacking UN GHS 3 • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
Skin corrosion/Irritation	EU/CLP • Data lacking UN GHS 3 • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2 WHMIS 2015 • Skin Irritation 2
Serious eye damage/Irritation	EU/CLP • Data lacking UN GHS 3 • Eye Mild Irritation 2B OSHA HCS 2012 • Eye Mild Irritation 2B WHMIS 2015 • Eye Mild Irritation 2B
Skin sensitization	EU/CLP • Skin Sensitizer 1 UN GHS 3 • Skin Sensitizer 1 OSHA HCS 2012 • Skin Sensitizer 1 WHMIS 2015 • Skin Sensitizer 1
Respiratory sensitization	EU/CLP • Data lacking UN GHS 3 • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
Aspiration Hazard	EU/CLP • Data lacking UN GHS 3 • Data lacking OSHA HCS 2012 • Data lacking

	WHMIS 2015 • Data lacking
Carcinogenicity	EU/CLP • Data lacking UN GHS 3 • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
Germ Cell Mutagenicity	EU/CLP • Data lacking UN GHS 3 • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
Toxicity for Reproduction	EU/CLP • Data lacking UN GHS 3 • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
STOT-SE	EU/CLP • Data lacking UN GHS 3 • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
STOT-RE	EU/CLP • Specific Target Organ Toxicity Repeated Exposure 2 UN GHS 3 • Specific Target Organ Toxicity Repeated Exposure 1; Specific Target Organ Toxicity Repeated Exposure 2 OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 1; Specific Target Organ Toxicity Repeated Exposure 2 WHMIS 2015 • Specific Target Organ Toxicity Repeated Exposure 1; Specific Target Organ Toxicity Repeated Exposure 2

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. Causes skin irritation. May cause skin sensitization. Symptoms include redness, and skin rash.

Chronic (Delayed)

- No data available.

Eye

Acute (Immediate)

- Causes eye 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

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

- No studies have been found.

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	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
TDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
IMO/IMDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
IATA/ICAO	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA

14.6 Special precautions for user

- None specified.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

- Data lacking.

Section 15 - Regulatory Information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

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
Stearic acid, calcium salt	1592-23-0	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
Stearic acid, calcium salt	1592-23-0	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	No	Yes
Polyvinyl Chloride	9002-86-2	Yes	Yes	Yes
Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Yes	No	Yes
Stearic acid, calcium salt	1592-23-0	Yes	Yes	Yes

Australia

Labor

Australia - Work Health and Safety Regulations - Hazardous Chemicals Requiring Health Monitoring

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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

• Stearic acid, calcium salt	1592-23-0	
• 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

Environment

Australia - National Pollutant Inventory (NPI) Substance List

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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 1988 - Classifications of Substances**

• Stearic acid, calcium salt	1592-23-0	Uncontrolled product according to WHMIS classification criteria
• 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 1988 - Ingredient Disclosure List

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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**

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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 (OBSOLETE)**

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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	Repr.Cat.3; R63 T; R48/25 Xn; R22 R43
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Repr.Cat.3; R63

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

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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 (OBSOLETE)		
• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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	T R:22-43-48/25-63 S:(1/2)-36/37-45
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	Xn R:63 S:(2)-22-36/37
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations (OBSOLETE)		
• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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 (OBSOLETE)		
• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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	S:(1/2)-36/37-45
• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	S:(2)-22-36/37

Germany

Environment

Germany - TA Luft - Types and Classes

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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

• Stearic acid, calcium salt	1592-23-0	Not Listed
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• 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
Germany - TA Luft - Emission Limits for Organic Substances		
• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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
Germany - Water Classification (VwVwS) - Annex 1		
• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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
Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes		
• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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-ethylhexyloxy-carbonylmethylthio)-	57583-34-3	ID Number 576, hazard class 2 - hazard to waters
Germany - Water Classification (VwVwS) - Annex 3		
• Stearic acid, calcium salt	1592-23-0	ID Number 3160, not considered hazardous to water
• 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 3 - severe hazard to waters
• Stannane, methyltris(2-ethylhexyloxy-carbonylmethylthio)-	57583-34-3	ID Number 576, hazard class 2 - hazard to waters

Japan

Environment

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

• Stearic acid, calcium salt	1592-23-0	(9)-1677, (2)-611 (ENCS inventory number, considered an existing substance based on the Industrial Safety and Health Law)
• Polyvinyl Chloride	9002-86-2	(6)-66, (6)-67, (6)-76, (6)-1633 (ENCS inventory number, considered an existing substance based on the Industrial Safety and Health Law)
• 8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	(2)-2244, (2)-3034 (ENCS inventory number, considered an existing substance based on the Industrial Safety and Health Law)
		(2)-3034 (ENCS inventory

• Stannane, methyltris(2-ethylhexyloxycarbonylmethylthio)-	57583-34-3	number, considered an existing substance based on the Industrial Safety and Health Law)
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United States

Labor

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

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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. - CERCLA/SARA - Section 313 - Emission Reporting

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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 - Maximum Allowable Dose Levels (MADL)

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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)

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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 - Pennsylvania

Labor

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

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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

• Stearic acid, calcium salt	1592-23-0	Not Listed
• 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.

Section 16 - Other Information

Relevant Phrases (code & full text)

- H302 - Harmful if swallowed
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H361d - Suspected of damaging the unborn child.
- H372 - Causes damage to organs through prolonged or repeated exposure.

Revision Date

- 15/March/2020 (Company name change) Last Reviewed: 15/March/2020

Last Revision Date

- 15/March/2020

Preparation Date

- 10/December/2018

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Key to abbreviations

NDA = No Data Available