Material Safety Data Sheet

Methyltin Mercaptide

SECTION 1 - Product and Company Information

Item No. : **DX-181**
Product Name: Methyl tin mercaptide
Chemical Name: Dimethyltin bis(2-ethylhexylmercaptoacetate)
CAS No.: 57583-35-4
Synonyms: Dimethyltin bis(2-ethylhexyl thic _lycollate)
Methyltin Mercaptide; METHYL TIN HEAT STABILIZER 181
PVC Heat Stabilizer

SECTION 2 - Composition/Information on Ingredients

Pure Product	Mixture	
Harmful composition	**Assay**	**Cas No.**
Methyl tin mercaptide	⩾98.0%	57583-35-4
2-Ethylhexyl Thioglycolate	Balance value	7659-86-1

SECTION 3 - Hazards Identification

EMERGENCY OVERVIEW
Irritant

Potential Health Effects
Eye: May cause eye irritation.
Skin: Causes skin irritation.
Ingestion: May cause irritation
Inhalation: May cause respiratory tract irritation.
Chronic: Not available.

SECTION 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while r，emoving contaminated clothing and shoes.
Ingestion: Get medical aid. Wash mouth out with water.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult,
give oxygen and get medical aid.
Notes to Physician:

SECTION 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH(approved or equivalent), and full protective gear. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

SECTION 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition.

SECTION 7 - Handling and Storage

Handling: Avoid breathing vapor, mist, or gas. Avoid contact with skin and eyes. Use only in a chemical fume hood.
Storage: Store in a cool, well-Ventilated area. Keep away from Ignition sources, heat and flame, store in a tightly closed container, incompatibilities, oxidants and food.

SECTION 8 - Exposure Controls / Personal Protection

Engineering Controls:
Personal Protective Equipment
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

SECTION 9 - Physical and Chemical Properties

Physical State:	Clear liquid
Color:	Colorless or slight yellow
Odor:	Slight penetrating odor
PH:	Not available.
Vapor Pressure:	Not available
Viscosity:	0.073 mPas 25 deg C
Boiling Point:	Not available
Freezing/Melting Point:	Not available
Autoignition Temperature:	Not available
Flash Point:	> 60 deg C
Explosion Limits, lower:	Not applicable
Explosion Limits, upper:	Not applicable
Decomposition Temperature:	220 Deg C.
Solubility in water:	Not soluble in water
Specific Gravity/Density:	1.170-1.190 g/cm3
Molecular Formula:	(CH3)2Sn(SCH2COOC8H17i)2
Molecular Weight:	555. 47

SECTION 10 - Stability and Reactivity

Chemical Stability: Stable
Conditions to Avoid: Incompatible materials, ignition sources.
Incompatibilities with Other Materials: Steam, Carbon Dioxide, Formaldehyde.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide. Tin Dioxide
Hazardous Polymerization: May occur.

SECTION 11 - Toxicological Information

RTECS#: N/A
LD50/LC50: N/A
Carcinogenicity: N/A

SECTION 12 - Ecological Information

Ecotoxicity: N/A Algae: N/A
Daphnia: N/A
Bacteria: N/A
Other: N/A

SECTION 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name	Aviation Regulated Liquid, N.O.S	Methyl Tin Stabilizer	Methyl Tin Stabilizer
Hazard Class	--	--	--
UN Number	--	--	--
Packing Group	--	--	--

SECTION 15 - Regulatory Information

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: I
Risk Phrases: R 38 Irritating to skin.
Safety Phrases: S 16 Keep away from sources of ignition
S 23 Do not inhale gas/fumes/vapour/spray.
S 33 Take precautionary measures against static discharges.
S 37 Wear suitable gloves.
WGK (Water Danger/Protection)
CAS# 57583-35-4
United Kingdom Occupational Exposure Limits
United Kingdom Maximum Exposure Limits
Canada CAS# 57583-35-4 is listed on Canada's DSL List.
CAS# 57583-35-4 is not listed on Canada's Ingredient Disclosure List.
Exposure Limits
US FEDERAL
TSCA CAS# 57583-35-4 is listed on the TSCA inventory.

SECTION 16 - Other Information

MSDS Creation Date: 10/02/2005
Revision # Date: 20/10/2009 Original.

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