



Vikas Global One Ltd.

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MATERIAL SAFETY DATA SHEET

UPDATED ON: 1ST August 2014

Section 1 – Chemical Product and Company Identification

- **Product:** **THERMATE**
- **Product Description:** **DIMETHYL TIN DICHLORIDE**
- **CAS No.:** 753-73-1
- **Manufacturer's Name:** Vikas GlobalOne Ltd. New Delhi India
- **PREPARED BY:** SENIOR CHEMIST

Section 2 – Composition/Information on Ingredients

Chemical Name	CAS Number	EINECS
Dimethyltin Dichloride In DM Water Solution	753-73-1	212-039-2

Section 3 – Hazards Identification

- **Acute Health Effects:**
Toxic if ingested or inhaled. Avoid prolonged contact with this material. Overexposure may result in nausea and vomiting. Corrosive to skin, eyes, and respiratory system. Liquid or spray mist may produce tissue damage, eyes, mouth and respiratory tract. Skin contact may produce burns. Eye contact can result in corneal damage. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Corrosive materials cause injury if ingested.
- **Chronic Health Effects:**
CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
Toxicity to the reproductive system: Not available. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4 – First Aid Measures

- **EYES:** FLUSH EYES WITH WATER; SEEK MEDICAL HELP IF THE IRRITATION PERSISTS.
- **SKIN:** WASH SKIN WITH WATER AND SOAP. SEEK MEDICAL HELP IF THE IRRITATION PERSISTS.
- **INHALATION:** MOVE TO FRESH AIR, SEEK MEDICAL HELP.
- **INGESTION:** DO NOT GIVE LIQUIDS, SEEK MEDICAL HELP IMMEDIATELY

Section 5 – Fire and Explosion Data

- **FIRE HAZARD:**

Flammability	Non-Combustible
Flash Points	N/A
Auto-Ignition	N/A
Flammable Limits	N/A

- EXTINGUISHING MEDIA: WATER / CO₂ FOAM.
- COMBUSTION GENERATES TOXIC FUMES OF THE FOLLOWING: CARBONDIOXIDE, SULFUR OXIDES.
- HIGH TEMPERATURES CAN CAUSE SEALED CONTAINERS TO RUPTURE DUE TO A BUILD UP OF INTERNAL PRESSURE.

Section 6 – Accidental Release Measures

- HIGH TEMPERATURES CAN CAUSE SEALED CONTAINERS TO RUPTURE DUE TO A BUILD UP OR OF INTERNAL PRESSURE.
- IN CASE OF LEAKAGE/SPILLAGE, WASH WITH AMPLE OF WATER.

Section 7 – Handling and Storage

- **HANDLING:**

- USE PROTECTIVE EQUIPMENT ETC.
- AVOID SPILL WHICH CAN CREATE SLIPPERY CONDITIONS.
- AVOID BREATHING VAPOURS.
- WASH THOROUGHLY AFTER HANDLING, KEEP THE CONTAINERS CLOSED.

- **STORAGE:**

- INDOOR STORAGE IS RECOMMENDED, STORE IN DRY, VENTILATED PLACE.
- PLASTIC DRUM OR STAINLESS STEEL USE FOR STORING, PIPING, FOR STORAGE / TRANSFER OF MATERIAL SHOULD BE HANDLED WITH NORMAL PRECAUTIONS FOR ORGANIC LIQUIDS.

Section 8 – Exposure Control/Personal Protection

- **SKIN:** MAY CAUSE MILD IRRITATION AND/OR SKIN ALLERGY.
- **EYES:** MAY CAUSE MILD IRRITATION.
- **INHALING:** MAY CAUSE NAUSEA & VOMITTING.

Section 9 – Physical and Chemical Properties

Particulars	Unit	DMTDC 6075			DMTDC 3560			DMTDC 4550		
		Specification			Specification			Specification		
Appearance		Clear liquid			Clear liquid			Clear liquid		
Specific Gravity(25°C)		1.17 ± 0.05			1.31 ± 0.05			1.42 ± 0.05		
Tin Metal	%	12.5 ± 0.25			20 ± 0.25			25 ± 0.25		
		Mono-Methyl tin Trichloride	Di-Methyl tin Dichloride	Tri-Methyl tin chloride	Mono-Methyl tin Trichloride	Di-Methyl tin Dichloride	Tri-Methyl tin chloride	Mono-Methyl tin Trichloride	Di-Methyl tin Dichloride	Tri-Methyl tin chloride
	%	25 ± 0.5	75 ± 0.5	< 0.3	25 ± 0.5	75 ± 0.5	< 0.3	25 ± 0.5	75 ± 0.5	< 0.3
DM Water	%	75 ± 1.0			60 ± 1.0			50 ± 1.0		

Section 10 – Stability and Reactivity

Stability	This material is stable. Stored under general conditions.
Conditions of Instability	Avoid excessive heat and light.
Incompatibilities	Reactive with moisture.

Section 11 – Toxicological Information

- Chronic Toxic Effects**

CARCINOGENIC EFFECTS: N/A

MUTAGENIC EFFECTS: N/A

- Acute Toxic Effects**

Toxic if ingested or inhaled. Avoid prolonged contact with this material. Overexposure may result in effects on health. Corrosive to skin, eyes, and respiratory system. Liquid or spray mist may produce tissue damage, eyes, mouth and respiratory tract. Skin contact may produce burns.

Section 12 – Ecological Information

ECOTOXICITY : N/A

ENVIRONMENTAL FATE: N/A

Section 13 – Disposal Considerations

- Waste Disposal:** Recycle to process, if possible. Consult your local or regional authorities.

Possible dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system.

Section 14 – Transport Information

- TRANSPORTATION: NOT REGULATED

Section 15 – Regulatory Information

- N/A

Section 16 – Other Information

- N/A

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