



VIKAS ecOTECH LTD.
(Formerly Vikas GlobalOne Ltd.)

www.vikasecotech.com

MATERIAL SAFETY DATA SHEET

UPDATED ON: 01ST April 2017

Section 1 – Chemical Product and Company Identification

- **Product: TINMATE 201 XL**
Specially Designed OrganoTin Stabilizer for CPVC Applications

Product Description: TINMATE 201 XL is highly effective liquid Organotin Heat stabilizer, especially designed for CPVC Extrusion & Injection Mouldings. It provides good early colour control and long term stability.

- **PRODUCT GRADE / CODE :** TINMATE 201 XL
- **MANUFACTURER'S NAME :** Vikas Ecotech Ltd. , New Delhi, India
- **PREPARED BY :** SENIOR CHEMIST

Section 2 – Composition/Information on Ingredients

- **MAIN COMPONENTS:**

COMPONENT	CAS No
Tin Metal	7440-31-5
Thio ester (2-EHTG)	7659-86-1

Section 3 – Hazards Identification

- **SKIN:** MAY CAUSE MILD IRRITATION AND/OR SKIN ALLERGY.
- **EYES:** MAY CAUSE MILD IRRITATION.
- **INHALING:** MAY CAUSE NAUSEA & VOMITTING.
- **EXPOSURE:** PROLONGED OVEREXPOSURE MAY EFFECT GENERAL HEALTH AND GENERAL INDUSTRIAL PRACTICES SHALL BE FOLLOWED WHILE HANDLING & USAGE.

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 Fighting Measures

- **FIRE HAZARD:**
 - BOILING POINT: > 221 °C (> 429.98 °F)
 - FLASH POINT 150 °C (302.00 °F)
 - GENERALLY INFLAMMABLE: HOWEVER MAY BURN AT ELEVATED TEMPERATURES.
 - 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 OR 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.

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

- **Physical & Chemical Properties:**

Particulars	Unit	TINMATE 201XL	Testing Procedure
		Standard	
Appearance		Clear colourless Liquid	Visual
Color	(Gardner)	< 1	By Comparator
Viscosity at 25 °C	cSt	70 Max	Ostwald Viscometer (U tube)
Specific Gravity at 20°C		1.17 ± 0.003	Hydrometer
Refractive Index at 25°C		1.507 - 1.511	Refractometer

Section 10 – Stability and Reactivity

- Generally Stable / Non Reactive
- Incompatible To : Acids

Section 11 – Toxicological Information

- AVOID CONTACT WITH SKIN: MAY CAUSE IRRITATION AND / OR SKIN ALLERGY, WEAR GLOVES, AVOID SPILLAGE.
- AVOID CONTACT WITH EYES: MAY CAUSE IRRITATION, WEAR PROTECTIVE SAFETY GLASSES.
- AVOID INHALING: MAY CAUSE NAUSEA & VOMITTING.

Section 12 – Ecological Information

- METHYLTIN COMPOUNDS ARE NATURALLY PRESENT IN THE ENVIRONMENT AND LIKELY RESULT FROM AEROBIC AND ANAEROBIC METHYLATION OF INORGANIC TIN. METHYL TIN HEAT STABILIZERS ARE NOT SOLUBLE IN WATER. THEY HAVE THE LIMITED POTENTIAL TO HARM AQUATIC ORGANISMS; HOWEVER CONCENTRATIONS OF THESE PRODUCTS ARE UNLIKELY TO BE REACHED DUE TO THE INDUSTRY-WIDE STEWARDSHIP PRACTICES THAT ARE IN PLACE TO LIMIT ENVIRONMENTAL RELEASES OF METHYL TIN HEAT STABILIZERS ARE EXPECTED TO BE MINIMAL. SHOULD RELEASES OCCUR THEY WOULD GENERALLY BE TO WATER. THESE MATERIALS WILL TEND TO PARTITION TO AQUATIC SEDIMENTS AND TO SUSPENDED PARTICULATE MATTER IN THE WATER. EVAPORATION OF THESE PRODUCTS IS EXPECTED TO BE NEGLIGIBLE.

Section 13 – Disposal Considerations

- DISPOSAL: REFER TO ALL FEDERAL, STATE AND LOCAL REGULATIONS PRIOR TO DISPOSITION. IF UNABLE TO MANAGE, CONTACT A FACILITY THAT COMPLIES WITH LOCAL, STATE, AND FEDERAL REGULATIONS

Section 14 – Transport Information

- TRANSPORTATION: NOT REGULATED

Section 15 – Regulatory Information

- NA

Section 16 – Other Information

Disclaimer:

IMPORTANT: The statements, technical information and recommendations contained herein are believed to be accurate as of the date. Since the conditions and methods of use of the product and of the information referred to, are beyond our control.

Vikas Ecotech Ltd. expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization.

Before handling this material, read and understand the MSDS (Material Safety Data Sheet) for additional information on personal protective equipment and for safety, health and environmental information.

Copyright © 2016 Vikas Ecotech Ltd. All Rights Reserved