

<b>1. Identification of Substance and Company</b>	
Product Name	: SIN RUBTECH® POLYMER BOUND PREDISPERSED TBzTD – 75G
Trade Name	: TBzTD – 75G
Manufacturer	: UA Rubber Speciality Chemical Sdn. Bhd.
Supplier	: Sin Rubtech Consultancy Sdn. Bhd.
Address	: 10-12 Jalan Industri Cherok To’Kun 2, Taman Industri Cherok To’Kun, 14000 Bukit Mertajam, Seberang Prai Utara, Penang, Malaysia.
Telephone	: 604 – 5511804
Fax	: 604 – 5514804
Website / E-Mail	: www.sinrubtech.com / marketing@sinrubtech.com

  

<b>2. Composition / Information on ingredients</b>	
A proprietary predispersed 75% tetrabenzylthiuram disulphide in a 25% elastomeric / processing aids binder.	
CAS No TBzTD	: 10591 – 85 – 2
Hazard Symbol	: None
Binder	: Trade Secret
R phrases	: None

  

<b>3. Hazards Identification</b>	
Not classified as hazardous according to EEC Dangerous Substance Directive and Dangerous Preparation Directive.	

  

<b>4. First-aid Measures</b>	
Inhalation	: After inhalation of vapours during processing remove to fresh air. Do not drink alcohol after exposure.
Skin Contact	: Wash with plenty of water and soap.
Eye Contact	: Wash with plenty of water and obtain medical attention if any sensation persists.
Ingestion	: Remove material from mouth. Wash with water. If large amounts swallowed or symptoms develop seek medical attention.

  

<b>5. Fire-fighting Measures</b>	
Extinguishing Media	: Water spray, foam, carbon dioxide, dry chemicals.
Hazardous decomposition / combustion products	: Emits toxic fumes under fire conditions, hydrogen cyanide (HCN), sulphur dioxide and nitrous gases.
Special Protective Equipment	: Protective clothing and self-contained breathing equipment should be available for firemen.

<b>6. Accidental Release Measures</b>	
Methods for Cleaning / Collecting	: Sweep up and transfer product to a suitably labelled container and dispose at an approval site.

  

<b>7. Handling and Storage</b>	
Handling	: Normal industrial good housekeeping practices should be followed as for any rubber additive.

  

<b>8. Exposure Controls / Personal Protection</b>	
General Precautions	: Good industrial hygiene should be followed.
Ventilation	: Adequate ventilation should be maintained when handling heated product.
Occupational Exposure Limits	: Not established.
Personal Protective Equipment	: Normal precautions should be observed as for handling all chemicals.

  

<b>9. Physical and Chemical Properties</b>	
Form/Colour/Odour	: Granules / Light Cream / Faint
pH	: Not Applicable.
Boiling Point	: 147 oC – 149 oC (TBzTD)
Solidif./Melting Point	: 124 oC (TBzTD)
Flash Point	: Not Applicable.
Auto-ignition Temp.	: > 200oC
Explosive/oxidizing properties	: Not to be expected.
Vapor pressure (mbar/208C)	: Not Applicable.
Density (g/cm <sup>3</sup> )	: 1.11 Approx.
Solubility in Organic Solvents	: Partially soluble in organic solvents.
Solubility in Water	: Insoluble.

  

<b>10. Stability and Reactivity</b>	
Stability	: Stable under normal conditions.
Conditions to Avoid	: After prolonged heating, decomposition starts at about 150 8C.
Materials to Avoid	: Strong oxidising agents.
Hazardous Decomposition Products	: No hazardous decomposition products known.

<b>11.</b>	<b>Toxicological Information</b>														
<p>The following applies to tetrabenzylthiuram disulphide (TBzTD) :</p> <p>LD 50 oral, rat : &gt; 5000 mg/kg.  Effect on the eyes : practically non-irritation  Effect on the skin : practically non-irritation  Genotoxicity : Ames test, in vitro cytogenetic test in human lymphocytes: Not mutagenic.</p>															
<b>12.</b>	<b>Ecological Information</b>														
<p>No experimental ecological data is available on the substance as such.</p>															
<b>13.</b>	<b>Disposal Consideration</b>														
<p>Waste Disposal Method : Incinerate according to local regulations</p> <p>Contaminated Container Disposal : Observe local regulations.</p>															
<b>14.</b>	<b>Transport Information</b>														
<p>Not classified in RID/ADR - ADNR - IMDG - ICAO/IATA - DGR.</p>															
<b>15.</b>	<b>Regulatory Information</b>														
<p>Labelling in accordance with Annex T of directive 57/548/EEC and its amendments and adaptations:</p> <table border="0"> <tr> <td><u>Symbol</u></td> <td><u>Hazard Description</u></td> </tr> <tr> <td>None</td> <td>: -</td> </tr> <tr> <td>Contains</td> <td>: tetrabenzylthiuram disulphide (TBzTD)</td> </tr> <tr> <td><u>Risk phrase(s)</u></td> <td><u>Definition</u></td> </tr> <tr> <td>None</td> <td>: -</td> </tr> <tr> <td><u>Safety phrase(s)</u></td> <td><u>Definition</u></td> </tr> <tr> <td>S 36/37</td> <td>: Wear suitable protective clothing and gloves.</td> </tr> </table>		<u>Symbol</u>	<u>Hazard Description</u>	None	: -	Contains	: tetrabenzylthiuram disulphide (TBzTD)	<u>Risk phrase(s)</u>	<u>Definition</u>	None	: -	<u>Safety phrase(s)</u>	<u>Definition</u>	S 36/37	: Wear suitable protective clothing and gloves.
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<b>16.</b>	<b>Other Information (training needs, possible restrictions, data sources, etc)</b>														
<p>Data Sources : Sin Rubtech Consultancy Sdn. Bhd.</p> <p>Department issuing MSDS : Technical Department.</p> <p>Contact : Sin Yoong Leong. Technical Manager</p>															

Disclaimer

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**Note:**

Source of TBzTD powder is from Flexsys, USA and the solid polymer bound form is manufactured under license by UA Rubber Speciality Chemical Sdn. Bhd.