

<b>1. Identification of Substance and Company</b>	
Product Name	: SIN RUBTECH® POLYMER BOUND PREDISPERSED TiO <sub>2</sub> /103 – 80G
Trade Name	: TiO <sub>2</sub> /103 – 80G
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.
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<b>2. Composition / Information on ingredients</b>	
A proprietary predispersed 80% Titanium Dioxide (Dupont R103) in a 20% elastomeric/ processing aids binder.	
CAS No	TiO <sub>2</sub> : 13463 – 67 – 7      Hazard Symbol : -
	Aluminium Hydroxide : 21645 – 51 – 2      R phrases : -
	Amorphous Silica : 112926 – 00 – 8
	Binder : Tarde Secret

  

<b>3. Hazards Identification</b>	
Hazard Designation	: Non - Hazardous.
Health Hazards	: -
Inhalation	: Not applicable at ambient temperatures.
Skin Contact	: Unlikely to be irritant.
Eye Contact	: Unlikely to be irritant.
Ingestion	: Unlikely to be harmful.

  

<b>4. First-aid Measures</b>	
Inhalation	: After inhalation of vapours during processing remove to fresh air.
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.
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	: See item 15.
Personal Protective Equipment	: Normal precautions should be observed as for handling all chemicals.
<b>9. Physical and Chemical Properties</b>	
Form/Colour/Odour	: Granules / White / Faint
pH	: Not Applicable.
Boiling Point	: Not Applicable.
Solidif./Melting Point	: Not Applicable.
Flash Point	: Not Applicable.
Auto-ignition Temp.	: Not Applicable.
Explosive/oxidizing properties	: Not to be expected.
Vapor pressure (mbar/208C)	: Not Applicable.
Density (g/cm <sup>3</sup> )	: 2.34 Approx.
Solubility in Organic Solvents	: Slightly soluble in organic solvents.
Solubility in Water	: Insoluble.
<b>10. Stability and Reactivity</b>	
Stability	: Stable under normal conditions.
Conditions to Avoid	: -
Materials to Avoid	: Strong oxidising agents.
Hazardous Decomposition Products	: Oxides of carbon.
Hazardous Polymerisation	: Will not occur.
<b>11. Toxicological Information</b>	

Non toxic.

**12. Ecological Information**

Degradability : Not biodegradable

**13. Disposal Consideration**

Waste Disposal Method : Incinerate according to local regulations

Contaminated Container Disposal : Observe local regulations.

**14. Transport Information**

Not classified in RID/ADR - ADNR - IMDG - ICAO/IATA - DGR.

**15. Regulatory Information**

Labelling in accordance with Annex T of directive 57/548/EEC and its amendments and adaptations:

Symbol : Hazard Description  
None : -

Risk phrase(s) : Definition  
None : -

Safety phrase(s) : Definition  
S 36/37 : Wear suitable protective clothing and gloves.

**16. Other Information (training needs, possible restrictions, data sources, etc)**

Data Sources : Sin Rubtech Consultancy Sdn. Bhd.

Department issuing MSDS : Technical Department.

Contact : Sin Yoong Leong. Technical Manager

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