

1. Identification of Substance and Company	
Product Name	: SIN RUBTECH® POLYMER BOUND PREDISPERSED ETU – 80G
Trade Name	: ETU – 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.
Telephone	: 604 – 5511804
Fax	: 604 – 5514804
Website / E-Mail	: www.sinrubtech.com / marketing@sinrubtech.com

2. Composition / Information on ingredients			
A proprietary predispersed 80% of N, N' - ethylene thiourea in 20% elastomeric / processing aids binder.			
CAS No	Binder : Trade Secret	Hazard Symbol	: T
	ETU : 96 – 45 – 7	R phrases	: 22, 53, 61

3. Hazards Identification	
Hazard Designation	: Hazardous.
Health Hazards	: May cause harm to unborn child.
Inhalation	: Not applicable at ambient temperatures.
Skin Contact	: Avoid direct contact. Can cause irritation.
Eye Contact	: Can cause irritation
Ingestion	: Unlikely to be harmful unless excessively taken.

4. First-aid Measures	
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.

5. Fire-fighting Measures	
Extinguishing Media	: Water spray, foam, carbon dioxide, dry chemicals.
Special Protective Equipment	: Protective clothing and self-contained breathing equipment should be available for firemen.

6. Accidental Release Measures	
Methods for Cleaning / Collecting	: Sweep up and transfer product to a suitably labelled container and dispose at an approval site.
7. Handling and Storage	
Handling	: No special precautions necessary but normal industrial good housekeeping practices should be followed as for any rubber additive.
8. Exposure Controls / Personal Protection	
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.
9. Physical and Chemical Properties	
Form/Colour/Odour	: Granules / Beige / Faint
pH	: Not Applicable.
Boiling Point	: Not Applicable.
Solidif./Melting Point	: Not Applicable.
Flash Point	: Not Applicable.
Auto-ignition Temp.	: > 200oC
Explosive/oxidizing properties	: Not to be expected.
Vapor pressure (mbar/208C)	: Not Applicable.
Density (g/cm ³)	: 1.14 Approx.
Solubility in Organic Solvents	: Soluble in aromatic, naphthelinic, paraffin oils, petrol, toluene, hexane.
Solubility in Water	: Slightly soluble.
10. Stability and Reactivity	
Stability	: Stable under normal conditions.
Conditions to Avoid	: After prolonged heating, decomposition starts at about 2008C
Materials to Avoid	: Strong oxidising agents.
Hazardous Decomposition Products	: None.
Hazardous Polymerisation	: Will not occur.

11.	Toxicological Information																				
<p>The following applies to ethylene thiourea (ETU): LD50 oral. rat : 710 mg/kg Effect on the eyes : slight irritation (rabbit) Effect on the skin : slight irritation (rabbit) ETU has been classified according to the European community as toxic for reproduction, category 2.</p>																					
12.	Ecological Information																				
<p>Do not allow to escape into waters, wastewater or soil. Water pollution class (WGK) : 2 - impairment of water quality (own classification). WGK = classification in accordance with the German Water Resources Act.</p>																					
13.	Disposal Consideration																				
<p>Waste Disposal Method : Incinerate according to local regulations Contaminated Container Disposal : Observe local regulations.</p>																					
14.	Transport Information																				
<p>Not classified in RID/ADR - ADNR - IMDG - ICAO/IATA - DGR.</p>																					
15.	Regulatory Information																				
<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>T</td> <td>: Toxic</td> </tr> <tr> <td>Contains</td> <td>: Ethylene thiourea.</td> </tr> <tr> <td><u>Risk phrase(s)</u></td> <td><u>Definition</u></td> </tr> <tr> <td>R 22</td> <td>: Harmful if swallowed.</td> </tr> <tr> <td>R 53</td> <td>: Avoid exposure - obtain special instructions before use.</td> </tr> <tr> <td>R 61</td> <td>: May cause harm to the unborn child.</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> <tr> <td>S 45</td> <td>: In case of accident or if you feel unwell. Seek medical advice immediately (Show the label where possible).</td> </tr> </table> <p>It is recommended that women of childbearing age should not be employed in manufacturing stages of rubber production where they are likely to be exposed to ETU dust or their vapours.</p>		<u>Symbol</u>	<u>Hazard Description</u>	T	: Toxic	Contains	: Ethylene thiourea.	<u>Risk phrase(s)</u>	<u>Definition</u>	R 22	: Harmful if swallowed.	R 53	: Avoid exposure - obtain special instructions before use.	R 61	: May cause harm to the unborn child.	<u>Safety phrase(s)</u>	<u>Definition</u>	S 36/37	: Wear suitable protective clothing and gloves.	S 45	: In case of accident or if you feel unwell. Seek medical advice immediately (Show the label where possible).
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16.	Other Information (training needs, possible restrictions, data sources, etc)																				
<p>Data Sources : Sin Rubtech Consultancy Sdn. Bhd. Department issuing MSDS : Technical Department. Contact : Sin Yoong Leong. Technical Manager</p>																					

Disclaimer

The data contained herein is based on information that Sin Rubtech® believes to be reliable, but no expressed or implied warranty is made with regard to the accuracy of such data or its suitability for a given situation. Such data relates only to the specific product described and not to such product in combination with any other product and no agent of Sin Rubtech® is authorized to vary any of such data. Sin Rubtech® and its agents disclaim all liability for any actions taken or foregone on reliance on such data.