

| 1. Identification of Substance and Company | |
|---|--|
| Product Name | : SIN RUBTECH® POLYMER BOUND PREDISPERSED ZnOW/C – 80G |
| Trade Name | : ZnOW/C – 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% Zinc Oxide (White Seal/C) in a 20% elastomeric / processing aids binder. | |
| CAS No | ZnO : 1314 – 13 – 2 |
| | Hazard Symbol : - |
| | Binder : Trade Secret |
| | R phrases : - |

| 3. Hazards Identification | |
|----------------------------------|---|
| 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. |

| 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 | : 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 / Light Beige / Faint |
| pH | : Not Applicable. |
| Boiling Point | : Not Applicable. |
| Solidif./Melting Point | : Not Applicable. |
| Flash Point | : Not Applicable. |
| Auto-ignition Temp. | : > 2008C |
| Explosive/oxidizing properties | : Not to be expected. |
| Vapor pressure (mbar/208C) | : Not Applicable. |
| Density (g/cm ³) | : 2.69 Approx. |
| Solubility in Organic Solvents | : Slightly soluble in organic solvents. |
| Solubility in Water | : Insoluble. |
| Max. Lead % | |
| In Active Ingredient | : 0.010 |
| In ZnOW/C – 80G | : 0.008 |

| 10. Stability and Reactivity | |
|-------------------------------------|-----------------------------------|
| 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. |

| | |
|--|---|
| 11. Toxicological Information | |
| 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: | |
| <u>Symbol</u> | <u>Hazard Description</u> |
| None | : - |
| <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. |
| 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 |

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.