

Material safety data sheet

1. Company Details

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| Product Name : SBR REPROCESS |
| Company : Taiwan Ian Teai chemical industry limited company |
| Address : No. 12-6, Laiganliao, jiali Dist., Tainan City 722, Taiwan (R.O.C) |
| Tel : 886-6-7261596~8 |
| Fax : 886-6-7261595 |

2. Hazards Identification

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| Route to body : Respiration, eye and skin. | | |
| Target Eye : | Acute exposure : | Dusts may cause mild irritation. High concentrations of fumes may also cause irritation and toxic effects. toxic effects. 500 mg applied to rabbit eyes for 24 hours resulted in mild irritation. |
| | Chronic exposure : | No data available. |
| Target Skin : | Acute exposure : | No data available. |
| | Chronic exposure : | No data available. |
| Target Inhalation : | Acute exposure : | Dusts may cause mild irritation and cough Fumes may cause irritation and toxic effects. |
| | Chronic exposure : | There is insufficient data available to evaluate the toxic effects of styrene - butadiene rubber. |
| Target Ingestion : | Acute exposure : | No data available. |
| | Chronic exposure : | No data available. |
| Effect of Short-term overexposure : See Target Eye 、Target Skin 、Target Inhalation 、Target Ingestion. | | |

Effect of Long-term overexposure : See Target Eye 、Target Skin 、Target Inhalation 、Target Ingestion.

TLV.TWA : No data available

3. Composition/information on ingredients

| Substance | Percent | U. N. No. | CAS. No. | Safely Standard | |
|--------------------------------|---------|-----------|-----------|-----------------|-----------------|
| | | | | TLV (PPM.) | LD50 (mg/kg) |
| Butadiene Styrene Copolymer | 100 | — | 9003-55-8 | — | — |

4. First-aid measures

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| Eye Contact : | When hot material or fume condensation contacts eye. Wash eyes with large amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains at least 15-20 minutes. Get medical attention. |
| Skin Contact : | When hot material or fume condensation contacts skin remove contaminated clothing and shoes. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains at least 15-20 minutes (do not use solvent for removal). Get medical attention. |
| Inhalation : | When fume inhalation irritation remove person from exposure area to fresh air immediately. Perform artificial respiration if necessary. Keep person warm and quiet. Treat symptomatically and supportively. Get medical attention. |
| Ingestion : | If vomiting occurs, keep head lower than |

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| | hips to help prevent aspiration. Treat symptomatically and supportively. Get medical attention if needed. |
| Additional data for first aid : | No specific antidote. Treat symptomatically and supportively. |

5. Fire Fighting Measures

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| Flash Point : | No data available. |
| Explosion Limits : | LEL% (v/v) : No data available. UEL% (v/v) : No data available. |
| Auto ignition : | No data available. |
| Extinguishing Media : | Dry chemical powder, CO ₂ , water spray or regular foam. For large fires, use water spray, fog or regular foam. |
| Special Fire-Fighting Procedures : | Move container from fire area if you can do it without risk. Do not scatter spilled material with high-pressure water streams. Dike fire - control water for later disposal (1993 Emergency Response Guidebook, RSPA P5800.6, Guide Page 31). Use agents suitable for type of surrounding fire. Avoid breathing hazardous vapors, keep upwind. |
| Hazardous decomposition Products : | Thermal decomposition may release acrid smoke and irritation fumes. |
| Hazard class : | No data available. |
| NFPA Hazard Classification : | No data available. |

6. Accidental Release Measures

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| Sweep up and place in suitable containers. Do not flush spilled material into sewer. Keep unnecessary people away. | |
| Disposal method : | Burn in incinerator. |

7. Handling and Storage

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| Observe all federal, state and local regulations when storing this substance. Store away from incompatible substances. | |
| Handling : | <ul style="list-style-type: none">- Make efforts to keep workplace clean and tidy, and avoid using fire.- Since there is possibility of volatile matter generating during work, it may cause irritation to the eyes.- After work, before smoking or eating, wash the hands well, and gargle. |
| Storage : | <ul style="list-style-type: none">- In order to prevent deterioration, avoid the following.- Exposure to the direct sun rays.- High temperature, high humidity.- Outdoor storage. Even in the case of indoor storage, avoid storing in high- temperature area or near UV-emitting lights such as the incandescent lamps and mercury lamps.- In case of bulk shipments, in order to prevent crumbling of the bulk cargo, keep the height as low as possible. |

8. Exposure Controls / Personal Protection

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| Ventilation : | Provide local exhaust ventilation. Ventilation equipment should be explosion-proof if explosive concentrations of dust, vapor or fume are present. |
| Respiratory protection : | Powered air-purifying respirator with a dust and mist filter. And self-contained breathing apparatus for firefighting and other immediately dangerous to life or health conditions. |
| Protective Gloves : | Employee should wear appropriate protective gloves to prevent contact with this substance. |
| Eye Protection : | Employee must wear splash-proof or dust resistant safety goggles to prevent eye contact with this substance. Provide an eye wash fountain within the |

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| | immediate work area for emergency use. |
| Other Protective Equipment : | Employee should wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance. |

9. Physical and Chemical Properties

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| Boiling Point : | Not applicable. |
| Melting Point : | Not applicable. |
| Vapor Pressure : | Not applicable. |
| Solubility in Water : | Insoluble. |
| Specific Gravity : | 0.94 |
| Evaporating Rate : | Not applicable. |
| Apparent Color and odor : | Blue brown or dark brown and slight odor solid. |
| pH : | No data available. |
| Molecular Weight : | No data available. |

10. Stability and Reactivity

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| Stability : | Stable under normal temperatures and pressure. |
| Conditions To Avoid : | May burn but does not ignite readily. Avoid contact with strong oxidizers, excessive heat, sparks, or open flame. |
| Incompatibilities : | Oxidizers (strong) : Fire and explosion hazard. |
| Thermal Decomposition : | More than 370 (Heating °C rate : 10°C/min 50-600 °C Atmosphere : 100ml/min in Air) |
| Hazardous Decomposition : | Thermal decomposition may release acrid smoke and irritating fumes |

11. Toxicological Information

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| Carcinogen status : | SBR : No data available. |
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| Irritation data : | 500mg/24hours eye-rabbit mild. |
| Acute toxicity level : | No data available. |
| Target effects : | No data available. |
| Additional data available : | Industrial products may contain trace impurities and additives which may cause toxic effects or allergic reactions. |
| Health effects : | <p>Inhalation : Acute exposure : Dusts may cause mild irritation and cough. Fumes may cause irritation and toxic effects. Chronic exposure : There is insufficient data available to evaluate the toxic effects of styrene-butadiene rubber.</p> |
| | <p>Ingestion : Acute exposure : No data available. Chronic exposure : No data available.</p> |
| | <p>Skin contact : Acute exposure : No data available. Chronic exposure : No data available.</p> |
| | <p>Eye contact : Acute exposure : Dusts may cause mild irritation. High concentrations of fumes may also cause irritation and toxic effects. 500mg applied to rabbit eyes for 24 hours resulted in mild irritation. Chronic exposure : No data available.</p> |

12. Ecological Information

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| Acute Aquatic Toxicity : | No data available. |
| Degradability : | No data available. |
| Others : | The material dose not contains substances listed |

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| <p>in the harmful substances of</p> <p>U. S. EPA “33/50 Program” and substances listed in</p> <p>“Montreal Protocol on</p> <p>Substances that deplete the Ozone Layer” .</p> |
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13. Disposal Considerations

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| Observe all federal, state and local regulations disposing of this substance. |
| Please refer to section 5, 6, and 15 for disposal and regulatory information |

14. Transport Information

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| Cover the substance with sheets in order to prevent mingling of foreign |
| In case of bulk cargoes, in order to prevent crumbling, keep the height as |

15. Regulatory Information

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| CERCLA SECTION 103 (40 CFR 302.4) : None |
| SARA SECTION 302 (40 CFR 355.30) : None |
| SARA SECTION 304 (40 CFR 355.40) : None |
| SARA SECTION 313 (40 CFR 372.65) : None |

16. Other Information

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| Definition |
| ACGIH : American Conference of Governmental Industrial Hygienists |
| IARC : International Agency for Research on Cancer |
| OSHA : Occupational Safety and Health Administration |
| TLV : Threshold Limit Value |
| TWA : Time-weighted average |
| SARA : Superfund Amendments and Reauthorization Act |
| CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act. |
| References |
| MSDS of JSR Corporation |

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