



Safety Data Sheet (SDS)

Revision / Review Date: 2/27/15

1. Chemical Product and Company Identification

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| Product Name: | Sir 20, Sir-CV60, SMR-CV60, SVR-CV-60 & RSS |
| Distributed By: | HB Chemical 1665 Enterprise Parkway Twinsburg Oh 44087 Phone - 330-920-8023 |
| MSDS Prepared By (w Suppliers Input): | HB Chemical |
| Chemical Name / Family: | Natural Rubber/Cis 1, 4 Poly Isoprene |
| CAS Number: | 9003-31-0 |
| OSHA Status | Not Hazardous |

For emergency health, safety, and environmental information, calls 330-920-8023

For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300

2. Hazard(s) Identification

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| <u>Emergency Overview:</u> | No known OSHA hazards. |
| <u>General Advice:</u> | Handling of solid rubber is not a serious health hazard and does not require special first aid facilities. If in doubt, seek medical attention. |
| <u>Medical Conditions Generally Aggravated by Exposure:</u> | |
| <u>Eye Contact:</u> | Irrigate with water. |
| <u>Skin Contact:</u> | Wash with warm water and mild soap. |
| <u>Ingestion:</u> | May be harmful if swallowed. Seek medical advice. |
| <u>Inhalation:</u> | May be harmful if inhaled. Seek medical advice. |

3. Composition / Information on Ingredients

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| <u>Hazardous Ingredients:</u> | Hydroxylamine : <0.01 |
| <u>CAS #</u> | 9003-31-0 |
| <u>ACGIH TLV:</u> | Constant Viscosity (CV) Grades only. Grades not recommended for use with foodstuffs or pharmaceutical goods. |

4. First Aid Measures

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| <u>Inhalation:</u> | May be harmful if swallowed seek medical advice. |
| <u>Eyes:</u> | Irrigate with water. |
| <u>Skin:</u> | Wash with warm water and mild soap. |
| <u>Ingestion:</u> | May be harmful if swallowed. Seek medical advice. |

5. Fire-Fighting Measures

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| <u>Flammability:</u> | Yes |
| <u>Flammability conditions:</u> | Heat, Oxidation |
| <u>Suitable Extinguishing Media:</u> | Sprinkle Installation (water), ABC Dry Chemical Extinguisher. |
| <u>FLASHPOINT AND METHOD:</u> | >300°C |
| <u>UPPER EXPLOSION LIMIT:</u> | UNKNOWN |
| <u>LOWER EXPLOSION LIMIT:</u> | UNKNOWN |
| <u>AUTO IGNITION TEMPERATURE:</u> | >300°C |
| <u>TDG FLAMMABILITY CLASSIFICATION:</u> | UNKNOWN |
| <u>HAZAROUS COMBUSTION PRODUCTS:</u> | Carbon Monoxide |
| <u>RATE OF BURNING:</u> | Varies |
| <u>EXPLOSIVE POWER:</u> | UNKNOWN |
| <u>SENSITIVITY TO STATIC DISCHARGE:</u> | UNKNOWN |

6. Accidental Release Measures

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| <u>PERSONAL PRECAUTIONS:</u> | Avoid breathing vapours, mist or gas. Ventilate if possible. |
| <u>PRODUCT PRECAUTION:</u> | Normal methods for prevention of fire are required. |
| <u>PERSONAL PROTECTION:</u> | Wear appropriate protective clothing, gloves and when processing. |

7. Handling and Storage:

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| <u>SPILL OR LEAK PRECAUTIONS:</u> | Collect spilled material by sweeping up solid powder and disposing by law. |
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| <u>WASTE DISPOSAL:</u> | Keep in suitable container for disposal. Follow local laws for reclaim in needed. |
| <u>STORAGE REQUIREMENTS:</u> | Keep out of direct sunlight, in a dry and well ventilated area Keep away from oxidation-catalysts. |

8. Exposure Controls / Personal Protection

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| <u>PERSONAL PRECAUTIONS:</u> | Avoid breathing vapours, mist or gas. Ventilate if possible |
| <u>PRODUCT PRECAUTION:</u> | Normal methods for prevention of fire are required |
| <u>PERSONAL PROTECTION:</u> | Wear appropriate protective clothing, gloves and equipment when processing. |

9. Physical and Chemical Properties

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| <u>PHYSICAL STATE:</u> | Solid |
| <u>APPEARANCE:</u> | Varied by grade |
| <u>ODOR:</u> | Slight |
| <u>EVAPORATION RATE:</u> | N/A |
| <u>SPECIFIC GRAVITY:</u> | 0.92 |
| <u>BOILING POINT:</u> | N/A |
| <u>VAPOR PRESSURE:</u> | N/A |
| <u>VISCOSITY cPs (25°C):</u> | Solid |
| <u>SOLUBILITY IN WATER:</u> | Insoluble |
| <u>pH (AQUEOUS SUSPENSION 100 g/L):</u> | N/A |

10. Stability and Reactivity

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| <u>CHEMICAL STABILITY:</u> | Yes |
| <u>INCOMPATIBILITY TO OTHER SUBSTANCES:</u> | Heavy metals (Cu) acting as pre-oxidants. |
| <u>REACTIVITY AND UNDER WHAT CONDITIONS:</u> | Starts to decompose above 200°C, finally emitting vapours which may be toxic and flammable at temperatures near 300°C |
| <u>HAZARDOUS DECOMPOSITION PRODUCTS:</u> | Isoprene derivatives: Carbon Monoxide . |

11. Toxicological Information

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| <u>ROUTE OF ENTRY:</u> | Ingestion |
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AFFECTS OF ACUTE EXPOSURE TO PRODUCT: Unknown, but avoid ingestion.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: Unknown, but avoid ingestion.

LD50 OF PRODUCT (ROUTE): Unknown

IRRITANCY OF PRODUCT: Unknown

EXPOSURE LIMITS OF PRODUCT: Unknown

12. Ecological Information

This material has not been evaluated for environmental effects.

13. Disposal Considerations

Reclaim or Dispose of material in accordance with all applicable local, state, and federal regulations.

14. Transport Information

D.O.T. Shipping Name Not regulated

Air - ICAO (international Civil Aviation Organization) Not regulated

Sea - IMDG (International Maritime Dangerous Goods) Not regulated

Note: Care must be taken to secure in transit due to weight.

15. Regulatory Information

Standards and regulatory information can be found at: <http://www.astm.org/Standards/rubber-standards.html>

16. Other Information

The above information has been compiled from what we believe to be credible sources. To our knowledge the information is accurate and reliable, however, it is not guaranteed. Any recommendations issued by HB Chemical personnel or literature is derived from experience and by no means should be taken as fact or construed as a recommendation to violate of any law, regulation or patent. It is the user's responsibility to determine the suitability of any HB supplied material in their application. The individual conditions of each customer are well outside of our control and we cannot be held liable for its functionality and use. Please contact our office should you need specific information beyond what is supplied above. As with all Chemical usage safety precautions beyond the stated are highly recommended.