



Safety Data Sheet (SDS)

Revision / Review Date: 6/11/15

1. Chemical Product and Company Identification

Product Name:	KEMCO HSR
Distributed By:	HB Chemical 1665 Enterprise Parkway Twinsburg Oh 44087 Phone - 330-920-8023
SDS Prepared By (w Suppliers Input):	HB Chemical
Chemical Name / Family:	High Styrene Rubber/Polymers
Technical Name:	Emulsion polymerized High Styrene Resin
Common Name:	High Styrene/butadiene rubber
Molecular Formula:	Not available
Molecular Weight via GPC, Mn:	Not available
Product Use:	Synthetic Polymers
OSHA Status:	Non Hazardous
CAS No:	9003-55-8

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

<u>OSHA Regulatory Status:</u>	This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).
<u>Emergency Overview:</u>	The product contains no substances which at their given concentration, are considered to be hazardous to health.
<u>Unknown Acute Toxicity:</u>	0% of the substance or mixture consists of ingredient(s) of unknown toxicity.
<u>Warning:</u>	Not available.
<u>Most important symptoms and effects, both acute and delayed Symptoms:</u>	No information available.
<u>Routes of Entry:</u>	Inhalation.
<u>Medical Conditions Generally Aggravated by Exposure:</u>	None Known.
<u>Eye Contact:</u>	Can cause irritation.
<u>Skin Contact:</u>	Can cause irritation.
<u>Ingestion:</u>	Can cause irritation.

<u>Inhalation:</u>	Can cause irritation.
<u>NFPA Hazards Rating:</u>	Health- 0, Flammability - 0, Instability-0
<u>HMIS Hazard Ratings:</u>	Health- 0, Flammability - 0, Physical-0
<u>HMIS limitation statement:</u>	The HMIS hazard ratings numbers are meant to give a quick indication of the relative hazards associated with the product. All of the information contained in the SDS should be consulted to assist with the safe handling of this material.
<u>Principal Hazardous Components:</u>	Not available.

3. Composition / Information on Ingredients

Weight Percent / Typical	Component Identity	CAS Registry Number
99%	Styrene/Butadiene Copolymer	9003-55-8
.75%	Styrenated Phenols	61788-44-1

4. First Aid Measures

<u>Inhalation:</u>	Remove to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
<u>Eyes:</u>	Rinse thoroughly with plenty of water, also under the eyelids. Call a physician immediately. Particles should be removed from the eye by trained medical personnel only.
<u>Skin:</u>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.
<u>Ingestion:</u>	Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do NOT induce vomiting.

5. Fire-Fighting Measures

<u>Suitable Extinguishing Media:</u>	Dry chemical, CO2 or water spray.
<u>Unsuitable extinguishing media:</u>	Do not use a solid water stream as it may scatter and spread fire.
<u>Special Fire Fighting Procedures:</u>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<u>Hazardous Combustion Products:</u>	None known.

Unusual fire and explosion hazards:

None known.

6. Accidental Release Measures

Steps to be taken in case material is spilled:

Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak. Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly. Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal.

Environmental Disposal Information:

Prevent entry into waterways, sewers, basements or confined areas.

Waste Disposal:

Reclaim or dispose of in accordance with local, state, and federal regulations.

7. Handling and Storage:

Empty Containers:

Not available.

Precautions to be taken in handling:

Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Use spark-proof tools and explosion-proof equipment. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Avoid creating dust. Good housekeeping must be practiced during storage, transfer, handling, and use of this material to avoid excessive dust accumulation in the form of deposit. All equipment used when handling the product must be grounded.

Storage:

Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers.

8. Exposure Controls / Personal Protection

Exposure Guidelines:

NIOSH IDLH Immediately Dangerous to Life or Health.

Respiratory Protection:

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

<u>Ventilation:</u>	Ventilation systems.
<u>Hand Protection:</u>	Wear protective gloves.
<u>Eye Protection:</u>	Wear safety glasses with side shields (or goggles).
<u>Skin and Body Protection:</u>	Wear protective clothing.
<u>General Hygiene Considerations:</u>	Handle in accordance with good industrial hygiene and safety practice.
<u>Engineering Controls:</u>	Showers, Eyewash stations.

9. Physical and Chemical Properties

<u>Physical Form:</u>	Solid Powder Granules
<u>Appearance & Odor:</u>	White / Odorless
<u>Specific Gravity:</u>	Not available.
<u>Softening Point, R&B:</u>	Not available.
<u>Solubility in Water:</u>	Insoluble in water
<u>Danger of Explosion, cloud:</u>	ST1
<u>Minimum Ignition Energy, Cloud, mJ:</u>	200 - <300 mJ
<u>KST, maximum rate of pressure rise, Cloud, bar.m.s-1:</u>	56 bar.m.s-1
<u>Pmax maximum explosion pressure, Cloud, bar:</u>	5.9 bar
<u>VMP (cloud):</u>	206 bar.s-1
<u>Flash Point, TAG CC F:</u>	Not available.
<u>Percent Volatiles (by weight):</u>	Not available.
<u>Evaporation Rate (Water ~ I):</u>	Not available.
<u>Vapor Pressure (mm Hg):</u>	Not available.
<u>Vapor Density (Air ~ I):</u>	Not available.
<u>Boiling Point (°F) Initial:</u>	Not available.
<u>Auto ignition Temperature, °C:</u>	Not available.
<u>Flammable Limits, %(V):</u>	Not available.

10. Stability and Reactivity

<u>Stability:</u>	This product is stable under normal conditions.
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<u>Incompatibility (Materials to Avoid):</u>	None known.
<u>Conditions to Avoid:</u>	Extremes of temperature and direct sunlight.
<u>Hazardous Polymerization:</u>	Hazardous polymerization will not occur.
<u>Hazardous Decomposition Products:</u>	Carbon monoxide. Carbon dioxide (CO2). Hydrocarbons.

11. Toxicological Information

This material is not listed as a carcinogen or potential carcinogen by NTP, IARC, or OSHA.

<u>OSHA Permissible Exposure Limit:</u>	Not available.
<u>ACGIH Threshold Limit Value:</u>	Not available.
<u>Inhalation:</u>	No data available.
<u>Eye contact:</u>	No data available.
<u>Skin Contact:</u>	No data available.
<u>Ingestion:</u>	No data available.
<u>Symptoms:</u>	No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

<u>Sensitization:</u>	No information or data specific to the product on this toxicological (health) effect is available.
<u>Germ cell mutagenicity:</u>	No information or data specific to the product on this toxicological (health) effect is available.
<u>Carcinogenicity:</u>	No information or data specific to the product on this toxicological (health) effect is available.
<u>Reproductive toxicity:</u>	No information or data specific to the product on this toxicological (health) effect is available.
<u>STOT - single exposure:</u>	No information or data specific to the product on this toxicological (health) effect is available.
<u>STOT - repeated exposure:</u>	No information or data specific to the product on this toxicological (health) effect is available.
<u>Aspiration hazard:</u>	No information or data specific to the product on this toxicological (health) effect is available.

12. Ecological Information

<u>Persistence and degradability:</u>	No information available.
<u>Bioaccumulation:</u>	Not Applicable.
<u>Other adverse effects:</u>	No information available

13. Disposal Considerations

Disposal should be in accordance with applicable regional, national and local laws and regulations. Do not reuse container.

14. Transport Information

<u>D.O.T. Shipping Name:</u>	Not regulated.
<u>Air - ICAO (international Civil Aviation Organization):</u>	Not regulated
<u>Sea - IMDG (International Maritime Dangerous Goods):</u>	Not regulated

15. Regulatory Information

All components of this material are on the TSCA Inventory.

All components of this material are on the Canadian DSL.

International Inventories

AICS	Yes
DSL	Yes
NDSL	-
IECSC	Yes
EINECS	Yes
ELINCS	-
ENCS	Yes
KECL	Yes
PICCS	Yes
TSCA	Yes
NZIoC	Not determined

SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CERCLA:

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

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 users 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.