

# HB CHEMICAL CORPORATION

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Date: June, 2008

## Material Safety Data Sheet

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### SECTION I                      **CHEMICAL and COMPANY IDENTIFICATION**

**PRODUCT:** Polyfin 5 (SBS)  
**CHEMICAL NAME:** *Styrene butadiene styrene blocked copolymer*  
**COMMON/GENERIC NAME:** SBS  
**CHEMICAL FAMILY:**  
**MANUFACTURER:**  
**DISTRIBUTOR:** **HB CHEMICAL CO**                      **Cust. Service 330-920-8023**  
**EMERGENCY NUMBERS:**                      **CHEMTREC 800-424-9300**  
**CANUTECH(Canada) 613-996-6666**

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### SECTION II                      **COMPOSITION / INGREDIENT INFORMATION**

OSHA PEL    ACGIH TLV

**COMPOSITION:** Styrene-Butadiene-Styrene blocked Copolymer  
Dusting Agent, Antioxidant, stabilizer  
C.A.S.# 9003-55-8

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### SECTION III/IV                      **HAZARDS / FIRST AID PROCEDURES**

**GENERAL ADVICE:** Handling of solid rubber is not a serious health hazard and does not require special first aid facilities. If in doubt, seek medical attention. Molten material will cause skin burns

**EYE:** Irrigate with water

**SKIN:** Wash with warm water and mild soap.

**INGESTION:** Seek medical assistance if your not feeling well.

**INHALATION:** Seek medical assistance. Not a known risk unless burning

Electrostatic charges may be generated during handling. There is a risk of self ignition of bulk material above flash point temperatures. Dusting agent can create a dust explosion hazard.

**IN ALL CASES OF EMERGENCY, CONTACT A PHYSICIAN**

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### SECTION V                      **FIRE AND EXPLOSION INFORMATION**

**Flammability:** Not classified as flammable but will burn. **Flammability Conditions:** Heat; Oxidation  
**Extinguishment Means:** Water, ABC Dry Chemical Extinguisher **Flashpoint:** >300°C **Upper Explosion Limits:** Unknown **Lower Explosion Limits:** Unknown **Auto Ignition Temperature:** TDG  
**Flammability Classification:** Unknown **Hazardous Combustion Products:** Carbon Monoxide  
**Rate of Burning:** Varies **Explosive Power:** Unknown **Sensitivity to Static Discharge:** Unknown

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### SECTION VI                      **SPILLS AND ENVIRONMENTAL INFORMATION**

**SPILL OR LEAK PRECAUTIONS:** Wear appropriate protective clothing, gloves and equipment. Collect spilled material by sweeping up solid powder and disposing of according to local regulations for

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this type of product. Major spills should also be reported to the National Response Center. Spills with potential to contaminate coastal waterways must be reported to the U.S. Coast Guard (800-424-8802)

**WASTE DISPOSAL:** All containers should be effectively labeled to facilitate the appropriate disposal or reclaim.

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## **SECTION VII EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Personal Protective Equipment:** Clothing when Processing.

**Gloves:** Yes **Respiratory:** No **Eye:** Yes **Footwear:** Yes **Clothing:** Yes

**Engineering Controls:** Ventilate during processing **Leak and Spill Procedure:** N/A

**Waste Disposal:** Bury or Burn under controlled conditions. Reclaim.

**Storage Requirements:** Avoid heat, direct sunlight and contact with oxidation-catalysts.

Rubber Fume: TLV (EH40); MEL/TWA (8h) = 0.6 mg/m<sup>3</sup>

Dust Respirable Dust: TWA (8h) = 10 mg/m<sup>3</sup> (Inhalable Dust); TWA (8h) = 4mg/m<sup>3</sup> (Respirable Dust)

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## **SECTION VIII PHYSICAL AND CHEMICAL INFORMATION**

Physical State: Solid

Appearance: Variable

Specific Gravity: 0.95

Vapor Pressure: Not Applicable

Solubility in Water: Insoluble

Odor: Slight

Evaporation Rate: Not Applicable

Boiling Point: Not Applicable

Viscosity cPs (25°C) = Solid

pH (aqueous suspension 100g/L): N/A

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## **SECTION IX STABILITY AND REACTIVITY**

**Chemical Stability:** Yes

**Incompatibility to other substances:** Heavy Metals (eg: Cu) acting as pre-oxidants.

**Reactivity and under what conditions:** Starts to decompose above 220°C, finally emitting vapours which may be toxic and flammable at temperatures near 300°C.

**Hazardous Decomposition Products:** Carbon monoxide and possibly acrolin, aldehydes and ketones plus some simple hydrocarbons.

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## **SECTION X TOXICOLOGICAL INFORMATION**

Route of Entry- Ingestion

Affects of Acute Exposure to Product- avoid ingestion. Expected to be low LD50 > 2000mg/kg

Effects of Chronic Exposure to Product- Unknown, but avoid ingestion

LD50 of Product (Dermal, Oral)- >2000 Irritancy of Product- Unknown Exposure Limits of Product- Unknown.

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## **SECTION XI ECOLOGICAL INFORMATION**

**ENVIRONMENTAL DATA:** No information available.

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## **SECTION XVI OTHER INFORMATION**

**Additional Information/Comments: SBS is not a hazardous material.**

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Prepared: January, 2008

The information presented herein, while not guaranteed, was prepared by technically knowledgeable personnel and to the best of our knowledge is true and accurate. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other or additional considerations.

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