

HB CHEMICAL CORPORATION

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Date: June, 2011

MATERIAL SAFETY DATA SHEET

SECTION I CHEMICAL and COMPANY IDENTIFICATION

PRODUCT: BR-01

CHEMICAL NAME: Polybutadiene Rubber

COMMON/GENERIC NAME: Hi Cis Polybutadiene cold emulsion polymerization

CHEMICAL FORMULA: (-CH=CH-CH=CH-)n

MANUFACTURER: BSTE - Thailand

DISTRIBUTOR: HB CHEMICAL CO

Cust. Service 330-920-8023

EMERGENCY NUMBERS:

CHEMTREC 800-424-9300

CANUTECH(Canada) 613-996-6666

SECTION II COMPOSITION / INGREDIENT INFORMATION

			<u>OSHA PEL</u>	<u>ACGIH TLV</u>
COMPOSITION:	FE < 0.001 %	CAS# 7720-78-7	-	-
	Aromatic Oil <38%	CAS# 64742-04-7	-	-
	Styrened Phenols <1.2%	CAS# 106-50-3	-	-

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. Hot rubber can burn.

EYE: Irrigate with water

SKIN: Wash with warm water and mild soap.

INGESTION: Seek medical assistance; avoid consuming food in working area.

INHALATION: Seek medical assistance.

IN ALL CASES OF EMERGENCY, CONTACT A PHYSICIAN

SECTION V FIRE AND EXPLOSION INFORMATION

Flammability: Yes

Flammability Conditions: Heat; Oxidation

Extinguishment Means: Water, ABC Dry Chemical Extinguisher **Flashpoint:** NA **Upper Explosion Limits:**

Unknown **Lower Explosion Limits:** Unknown **Auto Ignition Temperature:** > 600°C **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 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.

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.

SECTION VIII PHYSICAL AND CHEMICAL INFORMATION

Physical State: Solid

Appearance: Variable

Specific Gravity: 0.91

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

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 360°C, finally emitting vapours which may be toxic and flammable at high temperatures .

Hazardous Decomposition Products: Isoprene derivatives: Carbon monoxide.

SECTION X TOXICOLOGICAL INFORMATION

Route of Entry- Ingestion

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.

SECTION XI ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No information available.

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SECTION XIII

DISPOSAL CONSIDERATIONS

Incineration by a permitted hazardous waste facility in accordance with all regulatory requirements is the preferred method of disposal. Empty containers can be rinsed with a suitable solvent/surfactant and steamed to remove residual product and fumes before disposal or reuse in accordance with applicable regulations. For spill clean-up procedures see Sect.VI.

SECTION XIV

TRANSPORTATION INFORMATION

DOT: Not restricted. Label: Product trade name with chemical description.

CANADA TRANSPORT HAZ.GOODS: Not restricted.

AIR (IATA/ICAO): Not restricted. Label: Product trade name with chemical description.

EUROPEAN TRANSPORTATION: ADR/RID HAZ. CLASS: Not regulated.

US CUSTOMS: - HARMONIZED TARIFF CODE:

SECTION XV

REGULATORY INFORMATION

OSHA: Not considered hazardous

SARA TITLE III: - 311/312 CATEGORIES: Not Listed

“ “ - 313 Reportable ingredients: None

CERCLA RQ: Not Determined.

RCRA Status:

TSCA REGULATORY: All intentional ingredients are listed in the TSCA Inventory.

CANADA WHMIS HAZARD SYMBOL AND CLASS: Not Regulated

CANADA INGREDIENT DISCLOSURE LIST: Does not contain any ingredients on the IDL. All intentional ingredients are on the DSL.

SECTION XVI OTHER INFORMATION

HMIS Label: Health: 1
Fire: 1
Reactivity: 0

Protection: C

Prepared: June, 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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