

HB CHEMICAL CORPORATION

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Date: June, 2010

Material Safety Data Sheet

SECTION I **CHEMICAL and COMPANY IDENTIFICATION**

PRODUCT: **All Natural Rubber Grades (TSR, SMR, SIR, STR, SVR, ADS, RSS, CREPES, SNR, ECT.)**

CHEMICAL NAME: *Cis 1, 4 Polyisoprene*

COMMON/GENERIC NAME: **Natural Rubber**

CHEMICAL FAMILY: *(C₅H₈)_n*

MANUFACTURER: Asian Plantations

DISTRIBUTOR: **HB CHEMICAL CO**

Cust. Service 330-920-8023

EMERGENCY NUMBERS:

CHEMTREC 800-424-9300

CANUTEC(Canada) 613-996-6666

SECTION II **COMPOSITION / INGREDIENT INFORMATION**

COMPOSITION: Hydroxylamine

OSHA PEL

ACGIH TLV

< 0.01

Constant Viscosity

grades not recommended for use with food stuffs or pharmaceutical goods

C.A.S.# 9003-31-0

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.

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

Extinction Means: Water, ABC Dry Chemical Extinguisher **Flashpoint:** >300°C **Upper Explosion**

Limits: Unknown **Lower Explosion Limits:** Unknown **Auto Ignition Temperature:** > 300°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: 0.92

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 220°C, finally emitting vapours which may be toxic and flammable at temperatures near 300°C.

Hazardous Decomposition Products: Isoprene derivatives: Carbon monoxide.

SECTION X

TOXICOLOGICAL INFORMATION

Route of Entry- Ingestion

Effects 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 XVI OTHER INFORMATION

Additional Information/Comments: Natural Rubber is not a hazardous material. This MSDS is supplied as a courtesy.

Sources Uses: BRMA toxicity and Safe handling of Rubber Chemicals, British Rubber Manufacturers Association. Also" Health and Safety" Malaysian Natural Rubber

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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