

MATERIAL SAFETY DATA SHEET

Date : 08/9/2015

No. :04

Product name : Latex Concentrate DRC 60 PCT. HA HS CODE 4001.10.11.00
(Vietnamese Origin)

1. Identification of Product and Company

- 1.1 Product : LATEX CONCENTRATE DRC 60 PCT. HA
HS CODE 4001.10.11.00 (VIETNAMESE ORIGIN)
- 1.2 Company : Tan Bien Rubber Company Ltd.
Tan Hiep Vill. – Tan Chau Dist. Tay Ninh Prov. Vietnam.
- 1.3 Emergency telephone :

2. Composition

Latex Concentrate DRC 60 PCT. HS CODE 4001.10.11.00 (Vietnamese Origin)
TSC 61.54

3. Hazards Identification

Based on the data available to us, the Product is not a dangerous substance within the meaning of EC directive 88/379/EEC and amendments (CHIP Regulations in UK). It can be considered as not being toxic, harmful, irritating, corrosive or oxidizing.
Ecological information. cfr. Section 12

4. First Aid Measures

- 4.1 Inhalation : Not applicable
- 4.2 Skin Contact : In extreme cases : irritation
Wash skin with water and soap
- 4.3 Eye Contact : In extreme cases: irritation
Irrigate eyes with plenty of water for at least 10 minutes
Obtain medical attention if symptoms persist
- 4.4 Swallowing : Nausea
Give plenty of water to drink
Clear mouth, nose and throat
Seek medical assistance
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5. Fire Fighting Measures

- 5.1 Fire Hazard:

Product is water based and the wet form it is a low fire hazard. The dried polymer is combustible. Decomposition products could be toxic.

5.2 Extinguishing media:

Water, alcohol-resistant foam, powder, CO₂, sand...all extinguishing media are suitable. Protective clothing and self-contained breathing equipment should be available for firemen.

6. Accidental Release Measures

6.1 Personal Protection:

Wear PVC-gloves and goggles to contain spills,
Avoid repeated skin contact.

6.2 Environmental precautions:

Prevent the Product entering sewers and waterways.
Cfr. Section 12

6.3 Cleaning / recovery:

Large spillages: contain & pump into containers
Small spillages: absorb on sand, earth....
Collect into containers for disposal (Cfr. Section 13)
Disposal should always comply with local, national or EC regulations.

7. Handling and Storage

7.1 Handling:

Good industrial and personal hygiene practice should be followed. No eating and drinking in the workplace. Ensure adequate ventilation.

7.2 Storage:

Storage temperature: between +5 and +40 deg C,
Protect from frost & direct sunlight.
Drums and bottles: material is plastic or steel
Bulk tanks: stainless steel, aluminum, plastic coated materials, clean bulk tanks
periodically to prevent accumulation of bacteria.
Do not store the Product longer than 6 months, without consulting the supplier.

8. Exposure Controls / Personal Protection

8.1 Exposure:

No danger in normal ambient conditions.
Users should determine the conditions for safe use of the Product. Cfr. Section 7.1
Avoid repeated skin contact.

8.2 Personal Protection:

under normal ambient conditions
Respiratory protection: not applicable
Hand protection: waterproof gloves
Eyes protection: goggles or safety glasses
Skin protection: not applicable

9. Physical and Chemical Properties

9.1	Appearance:	milky white
9.2	Odour:	distinctive
9.3	pH-value:	10.86
9.4	Boiling point:	approx. as water
9.5	Flash point:	> 100C
9.6	Flammability:	not applicable
9.7	Auto ignition temp:	not applicable
9.8	Explosive / oxidizing:	not applicable
9.9	Vapor pressure:	approx. as water
9.10	Solubility in water:	miscible
9.11	Partition coeff n-octanol/water:	not established

10. Stability and Reactivity

Stable under the recommended storage conditions. Cfr. Section 7.2

Bacterial degradation can occur if the Product is stored for an unusually long period or is stored under unsuitable conditions.

Avoid strong acids and materials which react with water.

11. Toxicological Information

The Product does not contain formaldehyde or PCP's

Low toxicity is indicated by available data.

Under normal industrial conditions, there is no indication that the Product can be considered as a health risk. Cfr. Section 3.

12. Ecological Information

The Product is miscible with water and as such could cover considerable distances if spilled into waterways. Even a small spillage will whiten the appearance of water.

There is only a slow environmental breakdown of the Product, but seemingly on tendency for bioaccumulation.

Water for sewage treatment, that has been contaminated with small quantities of the Product, will not affect the biomass. Absorption of the polymer particles onto the sludge will occur with subsequent elimination from the waste stream.

13. Disposal considerations

Do not discharge untreated waste latex directly into sewers or waterways. The polymer content can be coagulated and disposed of in a landfill site or by incineration. Effluent containing latex can be treated by various methods: filtration, coagulation and settling etc.

All latex disposals should comply with local, national or EC regulations.
Further information can be obtained from your Environment Department.

14. Transport Information

GGVSee/IMDG-Code:	RID/ADR:
GGVE/GGVS:	ICAO/IATA-DGR:
UN-NR:	ADNR

The Product is not classified as dangerous for transport.

15. Regulatory Information

The Product has no hazard classification within the meaning of EC Directive 88/379/EEC. There is no labeling required. Cfr. Section 3.

The Product has no EC-number and it is not listed in EINECS.

16. Other Information

This Material Safety Data Sheet conforms to EC Directive 91/155/EEC.

All information and data given herein relates only to the specific material identified.

We believe that this information is accurate and reliable as of the date of this Material Safety Data Sheet.

However, it is the customer's obligation to determine the conditions of safe use of the Product because the purposes and the conditions of use of the Product are not within the control of our company.

Our company is not responsible for any injury or liability resulting from misuse of the Product.

This sheet is not a sales specification or an indication of suitability for a particular use.

This Material Safety Data Sheet replaces all earlier issues.

PRODUCER

MATERIAL SAFETY DATA FOR SVR CV50/ SVR CV60

1. Chemical products & manufacturing Company information:

- Chemical for SVR CV50/ SVR CV60 production: Hydroxylamine neutral sulphate (HNS).
This chemical for stability of viscosity, HNS none toxic.
- Name of products: SVR CV50/ SVR CV60
- General chemical properties: Polymer
- Toxicity classification: none
- Manufacturer information: Chu Prong factory
- Supplier/Distributor information: CHU PRONG RUBBER COMPANY LIMITED
- Prepared by: Quality assurance department (QA) – Chu Prong rubber Company Limited
- Address: Ia Drang Village, Chu Prong District, Gia Lai Province, Vietnam
Tel: +84 593 790023 Fax: +84 593 790024

2. Name of constituent Substances and composition:

- Name of chemical substance: Cis 1- 4 polyisoprene
- Chemical family: Diene
- Chemical formular: $(C_5H_8)_n$

3. Toxicity and danger level:

- Information essential in emergencies: Will not occur
- Potential health effects:
 - Effects on eyes: Avoid ingestion
 - Effects on skin: Avoid ingestion
 - Effects on inhalation: Avoid ingestion
 - Effects of oral intake: none avoid consuming food in working area
 - Does none mean doesn't data
 - Chronic sings and symptoms: no dangerous

4. Emergency Handling Guide:

- Peneatrtion into eyes: Imgate with water
- Contract with skin: Wash with warm water and mild soap
- Ihalation: Seek medical assistance
- Ingestion: Seek medical assistance
- Medical doctors's cautions: Clothing when processing: avoid consuming food in working area

5. Explosion & Fire Guides:

- Spontaneous combustion point: 428°F
- Fire – extinguishing agen: CO_2
- Flammability Limit in Air & by Volumn % (LEL 2.0 – UEL 9.0)

6. Guides of Leakage Accidents and Counter – actions:

- Measues needed to protect the human body: wearing clothes when processing
- Measues needed to protect the environment: comply with all local and state regulations (waste disposal, reclaim)

7. Handing and Storage Guides:

Avoid heat, direct sunlight and contact with oxidation – catalysts, keep dry

8. Information of Exposure Prevention and Protective Gears:

- Engineered Management method: none
- For respiratory organ protection: wearing respirator
- For eye protection: none needed
- For hand protection: wearing gloves
- For body protection: wearing clothes

9. Physical Properties:

- a. Outward appearance: Solid
- b. Smell: none smell
- c. pH: unknown
- d. Boiling point/range of melting point: unknown
- e. Melting point/range of melting point: 125°- 150°C
- f. Vapor press: 547.7 (mmHg, 25°C)
- g. Specific gravity: 0.92
- h. Vapor density: unknown
- i. Viscosity: 55 – 65 (Mooney viscosity)
- j. Molecular weight: Ca 10⁶

10. Stability and Responsiveness:

- a. Chemical stability: stability
- b. Conditions to be avoided: heat, sunlight, water
- c. Materials to be avoided: chemical
- d. Hazardous materials generated by de-composition: unknown
- e. Possibility of hazardous chemical synthesis: none

11. Information on toxicity:

- a. Effects on eyes: none
- b. Effects on skin: none
- c. Effects of acute inhalation: none but avoid ingestion
- d. Effects of acute oral intake: none; avoid consuming food in working area
- e. Chronic effects: none
- f. Next generation effects: none
- g. Careinogen effects: unknown

12. Environmental Impact Information:

- a. Is it environmentally hazardous material: solid waste
- b. Water – born and ecological toxicity: unknown
- c. Residual quality & de composibility: unknown
- d. Possibility of bio-accumulation: unknown

13. Information Needed for Shipment:

- a. Classification and regulations under “Vessel shipments and Storage Rules for Dangerous material”
- b. Classification and regulations under ICAO/ITTA, ADR and RID
- c. Shipment cautions:

14. Legal and Regulatory issues:

- a. Industrial safety and healthy law
- b. Hazardous chemical substance management law
- c. Other regulations under the law
- d. Residual quality & de-composibility: unknown
- e. Possibility of bio-accumulation: unknown

15. Other information:

Natural rubber is not a hazardous material. This S.D.S supplied as a courtesy.



DIRECTOR GENERAL

Phan Sỹ Bình