

MATERIAL SAFETY DATA SHEET

STANDARD INDONESIAN RUBBER (SIR)

Ref:HO-SIR/27.09.07
(Replaces Ref: HO140798-271202)

1. Company Name : REGIONAL RUBBER TRADING CO. PTE LTD.
65, Chulia Street, # 44 - 01,
OCBC Centre,
Singapore 049513.

Products Information : Tel. No. 65 - 65354055
Fax No. 65 - 65337341

Emergency Information : Production Factory & Code Telephone Number
PT. Hock Lie, Medan (SDH) 061 -- 4538044
PT. Hock Lie, Rantau Prapat (SCM) 0624 - 21250
PT. Hok Tong, Banjarmasin (KAU) 0511 - 3353437
PT. Hok Tong, Jambi (SCL) 0741 - 31911
PT. Hok Tong, Palembang (SCX) 0711 - 313905
PT. Hok Tong, Pontianak (KAZ) 0561 - 883015
PT. Remco, Jambi (SBG) 0741 - 581980
PT. Remco, Palembang (SDQ) 0711 - 358377
PT. Sunan Rubber, Palembang (SCY) 0711 - 356442

Product Name : STANDARD INDONESIAN RUBBER

| | |
|--------|--------|
| SIR 10 | SIR 20 |
|--------|--------|

2. Composition / Information of Ingredients

Raw natural rubber consists essentially about 95 % of the hydrocarbon / 'cis - polyisoprene' together with small amount of other naturally occurring substances such as lipids (1.6 %), inositols & carbohydrates (1.6 %), proteinous substances (1.4 %), ash (0.5 %), proteinous and nitrogen compound (0.3%).

3. Possible Hazard

No possible hazard to man and environment

4. First Aid

General first aid treatment applies.

5. Fire Fighting Action / Measures

Raw natural rubber in bale form is not readily ignitable. But, once ignited, it will burn readily with much evolution of heat, smoke and fumes. A rubber fire is difficult to extinguish as heat may soften the rubber and the burning material may flow readily and thus spread the fire. An added hazard is that raw rubber is lighter than water so that the burning material will float on any pool of water. Sprinkler installations and suitable extinguishing media (water or carbon dioxide) are recommended for fire control in storage areas.

6. Accidental Release Measures

Natural rubber in solid state has no environmental pollution impact.

7. Handling and Storage

A good ventilated storage and handling in warehouse and well protected against fire.

8. Exposure Control and Personal Protection

The usual precautions for the handling of industrial product must be observed.

9. Physical and Chemical Properties

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|-------------------------|--|
| Appearance | Soft Solid |
| Colour | Light Brown to Dark Brown (Depends on rubber grades produced by factory concerned) |
| Odour | Mild, Characteristic |
| Melting Point | Not Applicable |
| Boiling Point | Not Applicable |
| Specific gravity (20°C) | 0.92 |
| Bulk Density | 0.91 g/cc |
| Vapour Pressure | Not Applicable |
| Viscosity (25°C) | Not Applicable |
| Solubility | Not Applicable |
| pH value | Not Applicable |
| Flash Point | Not Applicable |

| | |
|--------------------------|----------------|
| Autoignition Temperature | > 400°C |
| Explosion Limit | Not Applicable |
| Decomposition Point | Not Applicable |
| Decomposition Products | Not Applicable |
| Hazardous Reaction | None |
| Ash | 0.5 % |
| Lipids | 1.6 % |
| Proteinous Substances | 1.4 % |

10. **Stability and Reactivity Data**

Stability : Subject to Storage Hardening
Conditions to avoid : Exposure to Heat or Fire

11. **Toxicological Information**

Hazard decomposition products : Dry rubber when ignited will give off toxic fumes and smoke.

12. **Environmental Information**

Natural rubber is biodegradable and harmless to environment.

13. **Waste Disposal Information**

Disposal method : Must be dumped or incinerated in accordance with current national environmental laws or regulations.

14. **Transport Information**

Not classified as hazardous under transport regulations.

15. **Regulatory Information**

Labeling according to EEC directions is not required.

16. Other Information

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our products must take responsibility for observing existing laws and regulations.

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