



MATERIAL SAFETY DATA SHEET

PALE CREPE RUBBER

COMPANY IDENTIFICATION AND CHEMICAL PRODUCT

Pale Crepe Rubber	Manufactured in Sri Lanka
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COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredients	Sodium Sulphite (food grade) 4-Methylbenzenethiol sodium salt (Water soluble) Formic acid (food grade) Above ingredients are added at concentrations below 300 ppm and is completely removed during the conversion process of NR latex into pale crepe. Therefore, no ingredient is left in the product.	
Composition	Natural rubber (major), protein, Carbohydrates, moisture at minor quantities.	
Composition %	Natural rubber (Poly hydrocarbon isoprene) Non rubber substances Moisture content Foreign matter Extractable proteins (ASTM D 5712)	Weight (%) > 98.5 < 2-3 < 0.6 < 0.05 < 0.004
CAS No	9006 - 04 - 6	

HAZARDS IDENTIFICATION

Health	The product contains no hazardous substances and extractable protein levels are not significant for allergic reactions
Fire	The product burns and does not emit any toxic gasses
Environment	The product is not considered dangerous for the environment



ACCIDENTAL RELEASE MEASURES

No accidental release measures are required. If molten rubber contacts with skin, wash off with cool water or stream of water.

HANDLING & STORAGE

Handling	avoid exposure to moisture, heat and direct UV rays as it becomes sticky. Exposure to heavy metals causes to degrade rubber faster. During processing and thermal treatment, provide adequate ventilation since small amount of volatile hydrocarbon may be released.
Storage	Store in a cool and dry place with proper ventilation but no exposure to direct sun light. Avoid damp places as this absorbs moisture quickly and possibility of growing fungus on the rubber.

EXPOSURE CONTROLS AND PERSONAL PROTECTION

Protective clothing to prevent prolonged exposure to skin.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Form	Rubbery/flexible solid bales
Color	Pale white in colour
Odor	No distinct odour
Boiling point	Not applicable
Melting Point	NR rubber does not crystallize to a greater extent. However, for available NR crystallites Melting temperature is 298 -323 K
Solubility in Water	Insoluble
Vapor Pressure	Not applicable
Specific Gravity	0.913



STABILITY/REACTIVITY

The product is generally stable but the viscosity tends to increase during storage. Oxidize at high temperature and when expose to UV radiation. Metal ion contamination catalyses the oxidation process. Unstable to fire. Easily inflammable. Keep away from excessive heat and flames.

TOXICOLOGICAL INFORMATION

This product is considered non-toxic for human health

ECOLOGICAL INFORMATION

This product is considered not dangerous for the environment

DISPOSAL CONSIDERATION

Rubber products made out of crepe rubber can be recycled to be used in low quality products. Incineration under controlled conditions can be recommended.

TRANSPORT INFORMATION

Not subject to ADR, RID, ADN
Not subject to IMDG.
Not subject to ICAO-IATA
Not a DOT controlled material

REGULATORY INFORMATION

Natural Rubber is NOT considered hazardous under OSHA hazard communication standard 29 CFR 1910.1200 or the WHMIS Canadian Legislation.

OTHER INFORMATION

BRMA Toxicity and Safe Handling of Rubber Chemicals; British Rubber Manufacturers Associations. Health and Safety; Sri Lanka Rubber Research institute.