

MATERIAL SAFETY DATA SHEET

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SECTION 1 MATERIAL IDENTIFICATION

Material Name RUBBER SMOKED SHEET RSS1
 Chemical Name Cis 1,4-polyisoprene
 Chemical Family Diene
 Chemical Formula $(C_5H_8)_n$
 Molecular Weight Unknown ($\#C_a10^6$)

SECTION 2 HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	Approximate Concentration%	CAS No./ EC No.	Exposure Limits	LD ₅₀ / LC ₅₀ Species and Route
Phosphoric Acid ¹	Unknown	7664-38-2 / 231-633-2		
Hydroxylamine	0.16	10039-54-0		
Neutral Sulphate ¹		233-118-0		

¹ Phosphoric acid has been added at trace amounts, In case to improved Plasticity Retention Index of natureal rubber.

² For Constant Viscosity grades [CV] only. CV grades not recommended for use with foodstuffs or pharmaceutical goods.

SECTION 3 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid	Evaporation Rate	None
Odour	Slight	Boiling Point (°C)	Unknown
Odour Threshold	Unknown	Freezing Point (°C)	Unknown
Specific Gravity	0.92	Solubility in Water (25°C)	None
Vapour Pressure (mmHg, 25°C)	574.7	% Volatile (by volume)	< 0.5
Vapour Density (Air = 1)	Unknown	Density (g/ml)	0.92
Water/ oil distribution	Unknown	pH	Unknown
Appearance	Dark		

SECTION 4 FIRST AID MEASURES

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 assistance
FIRST AID: SKIN		Wash with warm water and mild soap
FIRST AID: EYES		Irrigate with water
FIRST AID: INHALATION		Seek medical assistance
FIRST AID: INGESTION		Seek medical assistance, avoid consuming food in working area
SECTION 5		FIRE FIGHTING PROCEDURES AND EXPLOSION HAZARDS
Suitable Extinguishing Media		Foam, water, dry chemical, or carbon dioxide.
Hazardous Combustion Products		Carbon dioxide and carbon monoxide.
Recommended Fire Fighting Procedures		Use ordinary fire – fighting equipment.
Flammability Yes	Flammability Conditions Heat, oxidation	Auto Ignition Temperature > 300 °C
Flash point and Method > 300 °C	Upper Explosion Limit (UEL) 9.0 (% by volume)	Lower Explosion Limit (LEL) 2.0 (% by volume)
SECTION 6		REACTIVE DATA
Chemical Stability		Yes
Incompatibility Other Substances Reactivity and under what conditions		Heavy metals (e.g. Cu, Mg, Fe, Zn) acting as pre-oxidants. Starts to decompose above 220 C, finally releasing vapours which may be toxic and flammable near 300 C
Hazardous Decomposition Products		Isoprene derivatives, carbon monoxide
SECTION 7		HANDLING AND STORAGE
		Storage in cool dry well ventilated area with no direct exposure sunlight. Keep away from heat and flame. Use FIFO (First In First Out) inventory system to prevent full pallets being stored for excessive periods of time.
SECTION 8		EXPOSURE CONTROL AND PERSONAL PROTECTION
Ventilation		Local Exhaust
Respiratory Protection		None Needed
Eyes Protection		None Needed
Skin Protection		Gloves and Clothing when processing
Other		None required
Work/ Hygienic Practices		Wash exposed skin prior to eating, drinking or smoking and at the end of each shift. Wash contaminated clothing prior to reuse.
Section 9: Stability and Reactivity		
Chemical Stability		Yes
Incompatibility to other products		Heavy Metals (eg: Cu) acting as pre-oxidants

Reactivity and under what conditions	Starts to decompose above 220 C, finally releasing vapours which may be toxic and flammable near 300 C	
Hazardous Decomposition Product :	Isoprene derivations; carbon monoxide	
Section 10: Toxicology Properties of Products		
Route of Entry	Ingestion	
LD50 of Product (Route)	Irritancy of Product	Exposure Limit of Product
Unknown	Unknown	Unknown
LD50 of Product (Species)	Sensitization of Product	Synergistic Material
Unknown	Unknown	Unknown
Section 11: Ecological Properties of Product		
This product is not expected to present an environmental hazard. Ecological or environmental effects unknown		
Section 12: Waste Disposal of Product		
Waste must be disposed of in accordance to federal, state and local environmental control regulations		
Section 13: Transport Information of Product		
DOT Classification	Not a DOT controlled material	
Identification	Not Applicable	
Special Provision	Not Applicable	
Section 14: Regulatory Information		
Product does not contain a SARA S-313 toxic chemicals above DE minimal thresholds Natural Rubber is NOT considered hazardous under OSHA hazard communication standard 29 CFR 1910.1200 or the WHMIS Canadian Legislation		
Section 15: Other Information		
The information contained in this document is based on current knowledge and is intended to describe natural rubber for the purposes of health,safety and environmental requirements only. It should not, therefore be construed as guaranteeing any specificproperty or characteristic of natural rubber..		