

# Material Safety Data Sheet

Natural Rubber is not a hazardous material. This Data Sheet is supplied to our customers as a courtesy.

**Astlett Rubber**  
 Natural and Synthetic Rubber, Since 1885  
 Inc.

## Section I - Material Identification and Use

Material Name	All Natural Rubber Grades (TSR, SMR, SIR, ADS, RSS, Crepes, DPNR, PA, SP, Hyflo)		
Manufacturer	Various in South East Asia	Supplier's Name	Astlett Rubber Inc.
Chemical Name	Cis 14 Polyisoprene	Street Address	Suite 400, 277 Lakeshore Road East
Chemical Family	Diene	City	Oakville
Chemical Formula	(C <sub>5</sub> H <sub>8</sub> ) <sub>n</sub>	Province	Ontario
Molecular Weight	C <sub>a</sub> 10 6	Postal Code	L6J 1H9
Material Use	Construction	Telephone	905-842-2700

## Section II - Hazardous Ingredients of Material

Hazardous Ingredients	Approximate Concentration %	C.A.S. N.A. or U.N. Numbers	Exposure Limits	LD <sub>50</sub> /LC <sub>50</sub> Species and Route
Hydroxylamine	< 0.01			
Constant Viscosity grades [CV] only. CV grades not recommended for use with foodstuffs or pharmaceutical goods				

## Section III - Physical Data for Material

Physical State	Odour	Appearance	Odour Threshold	Specific Gravity
Solid	Slight	Amber	N/A	0.92
Vapour Pressure	Vapour Density (Air=1)	Evaporation Rate	Boiling Point (°C)	Freezing Point (°C)
N/A	N/A	N/A	N/A	N/A
Solubility in Water (20°C)	% Volatile (by Volume)	pH	Density (g/ml)	Water/Oil distribution
N/A	< 0.5	N/A	0.92	N/A

## Section IV - Fire and Explosion Hazard of Material

Flammability	Yes	Flammability Conditions	Heat; oxidation
Extinguishment Means	Sprinkler Installation		
Special Procedures			
Flashpoint and Method	Upper explosion limit (% by volume)	Lower explosion limit (% by volume)	
> 300 °C	Unknown	Unknown	
Auto Ignition Temperature	TDG Flammability Classification	Hazardous Combustion Products	
> 300 °C	Unknown	Carbon Monoxide	
Sensitivity to Chemical Impact	Rate of Burning	Explosive Power	Sensitivity to Static Discharge
	Varies	Unknown	Unknown

## Section V - Reactivity Data

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

<b>Section VI - Toxicological Properties of Product</b>			
Route of Entry		Ingestion	
Effects of Acute Exposure to Product		Unknown, but avoid ingestion	
Effects of Chronic Exposure to Product		Unknown, but avoid ingestion	
LD <sub>50</sub> of Product (Route)	Irritancy of Product	Exposure Limits of Product	
Unknown	Unknown	Unknown	
LD <sub>50</sub> of Product (Species)	Sensitization to Product	Synergistic Materials	
Unknown	Unknown	Unknown	
<b>Section VII - Preventive Measures</b>			
Personal Protective Equipment		Clothing when processing	
Gloves (specify)	Respiratory (specify)	Eye (specify)	Footwear (specify)
Yes			Yes
Clothing (specify)	Other (specify)		
Yes			
Engineering Controls		Ventilate during processing.	
Leak and Spill Procedure		N/A	
Waste Disposal		Bury or burn under controlled conditions. Reclaim	
Handling Procedure and Equipment			
Storage Requirements		Avoid heat, direct sunlight and contact with oxidation-catalysts	
Special Shipping Information			
<b>Section VIII - First Aid Measures</b>			
Skin		Wash with warm water and mild soap	
Eye		Irrigate with water	
Inhalation		Seek medical assistance	
Ingestion		Seek medical assistance; avoid consuming food in working area	
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.	
<b>Section IX - Preparation Date of M.S.D.S.</b>			
Additional Information/Comments		Natural Rubber is not a hazardous material. This M.S.D.S. is supplied as a courtesy.	
Sources Used		BRMA Toxicity and Safe Handling of Rubber Chemicals, British Rubber Manufacturers Association. Also, "Health and Safety", Malaysian Natural Rubber.	
Prepared By:	Phone Numbers	Date	
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