

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.

Date updated: January 23, 2019

Section 1 - Identification

Material Name	All Natural Rubber Grades (TSR, SMR, SIR, STR, SVR, RSS, Crepes, DPNR, ENR)		
Manufacturer	Factories in Asia and Africa	Supplier's Name	Astlett Rubber Inc.
CAS Number	9006-04-6	Street Address	Suite 205, 277 Lakeshore Road East
HS Number	4001220000	City	Oakville
TSCA Status	CDR, TSCA 40 CFR 711.6(a)(1)	Province	Ontario
US HTS Status	Duty free	Postal Code	L6J 1H9
Canada DSL List	Yes	Telephone	905-842-2700
		e-mail	customer@astletterubber.com
		MSDS prepared by	Astlett Rubber Inc.

Section 2 - Hazards Identification

Natural rubber is not a hazardous material, with no known OSHA hazards. Handling of coagulated natural rubber is not a health hazard and does not require the presence of first aid equipment

Section 3 - Composition / Information on Ingredients

Composition	CIS polyisoprene			
Hazardous Ingredients	Approximate Concentration %	CAS Number	Regulated Under	LD ₅₀ /LC ₅₀ Route
Hydroxylamine*	< 0.01	5470-11-1	TSCA 8 (b)	Unknown
* Constant Viscosity grades [CV] only CV grades not recommended for use with foodstuffs or pharmaceutical goods				

Section 4 - First-Aid Measures

Skin	Wash with warm water and mild soap
Eyes	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

Section 5 - Fire - Fighting Measures

Flammability	Yes	Flammability Conditions	Heat, oxidation
Exinction Means	Water sprinkler / foam, CO ₂ or dry chemical extinguishers		
Special Procedures	None		
Upper Explosion Limit (% by volume)	Lower Explosion Limit (% by volume)		
Unknown	Unknown		
Rate of Burning	TDG Flammability Classification	Hazardous Combustion Products	
Varies	Unknown	Carbon monoxide	
Explosive Power	Sensitivity to Chemical Impact	Sensitivity to Static Discharge	
Unknown	Unknown	Unknown	

Section 6 - Accidental Release Measures

Personal Precautions	Avoid ingestion, avoid inhalation of vapour or smoke from combustion
Emergency Procedures	No special procedures or equipment needed
Methods and Materials for Containment	No special procedures or equipment needed
Cleanup Procedures	Normal disposal according to local regulations

Section 7 - Handling and Storage

Handling Requirements	No special handling requirements	
Storage Requirements	Avoid heat, direct sunlight and contact with oxidation-catalysts	
Effects of Chronic Exposure to Product	Unknown, but avoid ingestion	
LD ₅₀ of Product (Route)	Irritancy of Product	Exposure Limits of Product
Unknown	Unknown	Unknown
LD ₅₀ of Product (Species)	Sensitization to Product	Synergistic Materials
Unknown	Unknown	Unknown

Section 8 - Exposure Controls / Personal Protection

Personal Protective Equipment	Clothing when processing		
Gloves (specify)	Respiratory (specify)	Eye (specify)	Footwear (specify)
Yes	No	No	Yes
Clothing (specify)	Other (specify)		
Yes	No special handling procedures necessary		
Engineering Controls	Ventilate during processing		

Section 9 - Physical and Chemical Properties

Material Name	All Natural Rubber Grades (TSR, SMR, SIR, STR, SVR, RSS, Crepes, DPNR, ENR)		
Appearance	Soft solid bales, colour varies	Upper/Lower Flammable Limit	Unknown
Odour	Slight	Vapour Pressure	Not applicable
Odour Threshold	Not applicable	Vapour Density	Not applicable
pH	Not applicable	Relative Density	0.92 Specific gravity
Melting Point	Not applicable	Solubility	Carbon disulfide, chlorinated hydrocarbons
Freezing Point	Glass transition at -70 °C		
Initial Boiling Point	Not applicable	Partition Coefficient	Not applicable
Flash Point	> 300 °C	Auto-ignition Temperature	> 300 °C
Evaporation Rate	Not applicable	Decomposition Temperature	Not applicable
Flammability	Yes	Viscosity	50 to 90 ML(1+4) at 100 °C

Section 10 - Stability and Reactivity

Reactivity	No hazardous reaction is expected when handled and stored according to normal provisions
Conditions to Avoid	Heat, open flames, oxidation catalysts
Stability	Stable. Oxygen, heat and light will cause oxidation, forming hydroxides and hardening. Up to 40% crystallization with long term storage

Section 11 - Toxicological Information

Routes of Exposure	Ingestion or inhalation
Effects of Exposure	Low toxicity
LD ₅₀ Value	Unknown

Section 12 - Ecological Information	
Potential for Ground Contamination	No major hazards to health. Product will biodegrade
Potential for Water Contamination	Not hygroscopic. Exposure to water will cause mould
Potential for Air Contamination	Ventilation not needed, strong odour fades with time

Section 13 - Disposal Considerations	
Disposal Method	Dispose, incinerate or reclaim in accordance with local, regional and national environmental laws and regulations
Special Procedures	None

Section 14 - Transport Information	
Road Transport	Not regulated
Land Transport Class	55
Air Transport	Not regulated
Rail Transport	Not regulated
Sea Transport	Not regulated

Section 15 - Regulatory Information	
Testing Standards	ASTM rubber standards
OSHA	Not regulated
DOT	Not regulated
EPA	Not regulated

Section 16 - Other Information	
<p>The information contained in this document is based on Astlett Rubber's 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 specific property or characteristic of natural rubber.</p>	
<p>Supplied by: Astlett Rubber Inc. Suite 205, 277 Lakeshore Road East Oakville, Ontario, Canada L6J 1H9 Phone: (905) 842-2700 Fax: (905) 842-2701 Website: www.astletterubber.com January 23, 2019</p>	