Material Safety Data Sheet

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

Date updated: September 23, 2015

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 1,4 Polyisoprene	Street Address	Suite 205, 277 Lakeshore Road East
Chemical Family	Diene	City	Oakville
Chemical Formula	$(C_5H_8)n$	Province	Ontario
Molecular Weight	$C_{a\ 10}$ 6	Postal Code	L6J 1H9
Material Use	Construction	Telephone	905-842-2700
CAS Number	9006-04-6	e-mail	customer@astlettrubber.com
Canada DSL List	Yes		

Section II - Hazardous Ingredients of Material

Hazardous Ingredients	Approximate Concentration %	CAS Number	Regulated under	LD_{50}/LC_{50} Species and Route
Hydroxylamine	< 0.01	5470-11-1	TSCA 8 (b)	

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

Section III - Physical Data for Material

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

Section IV - Fire and Explosion Hazard of Material

Flammability	Yes	Flammability Conditions	Heat; oxidation
Extinction Means	Sprinkler Installation		
Special Procedures			

Flashpoint and Method > 300 °C	Upper explosion limit (% by volume) Unknown	Lower explosion limit (% by volume) Unknown
Auto Ignition Temperature > 300 °C	TDG Flammability Classification Unknown	Hazardous Combustion Products Carbon Monoxide

Sensitivity to Chemical Impact	Rate of Burning Varies	Explosive Power Unknown	Sensitivity to Static Discharge 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

Section VI - Toxicological Properties of Product

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_{50} of Product (Route) Unknown	Irritancy of Product Unknown	Exposure Limits of Product Unknown
LD_{50} of Product (Species) Unknown	Sensitization to Product Unknown	Synergistic Materials Unknown

Section VII - Preventive Measures

Personal Protective Equipment	Clothing when processing		
Gloves (specify) Yes	Respiratory (specify)	Eye (specify)	Footwear (specify) Yes
Clothing (specify) Yes	Other (specify)		

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	

Section VIII - First Aid Measures

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.

Section IX - Preparation Date of M.S.D.S.

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.
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