Material Safety Data Sheet

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

Vietnam Rubber Group
PHR

Date updated: October 25, 2015

Section I - Material Identification and Use

Material Name	All Natural Rubber Grades (SVRCV50, SVRCV60, SVRL, SVR3L, SVR10 from cup lump, SVR10 from field latex, SVR20)		
Manufacturer	Cuaparis and Bo La factory	Supplier's Name	Phuoc Hoa Rubber Joint Stock Company
Chemical Name	Cis 14 Polyisoprene	Street Address	Phuoc Hoa commue, Phu Giao district.
Chemical Family	Diene	City	Binh Duong province
Chemical Formula	$(C_5H_8)n$	Country	Viet Nam
Molecular Weight	$C_{a\ 10}$ 6	Postal Code	
Material Use	Construction	Telephone	+84 (650) 3657106

Section II - Hazardous Ingredients of Material

Hazardous Ingredients	Approximate Concentration %	C.A.S. N.A. or U.N. Number	Exposure Limits	LD_{50}/LC_{50} Species and Route
Hydroxylamine Constant Viscosity grades [CV] only. CV grades not recommended for use with foodstuffs or pharmaceutical goods	< 0.01			

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 (0C) N/A	Freezing Point N/A
Solubity in Water (20^0C) 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 ^{0}C	Upper explosion limit (% by volume) Unknown		Lower explosion limit (% by volume) Unknown
Auto Ignition Temperature > 300 ^{0}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 ^{0}C, finally emitting vapours which may be toxic and flammable at temperatures near 300 ^{0}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 (specify) Unknown	Sensitization to Product Unknown		Synergistic Materials Unknown

Section VII - Preventive Measures

Personal Protective Equipment	Clothing when processing		
Gloves (specify) Yes	Respirtatory (speacify)	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 heath hazard and does not require speacial 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. All information and data given herein relates only to the specific material identified. We believe that this information is accurate and reliable as of the date of this Material Safety Data Sheet. However, it is the customer's obligation to determine the conditions of safe use of the Product because the purposes and the condition of use of the Product are not within the control of our company. Our company is not responsible for any injury or liability resulting from misuse of the Product. This sheet is not a sale specification or an indication of suitability for a particular use
Prepared by: Phone Number:	Quality Assurance Department – Phuoc Hoa Rubber Joint Stock Company +84 (650) 3657106

Supplied by:
PHUOC HOA RUBBER JOIN STOCK COMPANY
Phuoc Hoa Commune, Phu Giao Dist. Binh Duong Province,Viet Nam
Phone: +84 (650) 3657106 Fax: +84 (650) 3657110
Wesite: www.phuruco.vn Email: phuochoarubber@hcm.vnn.vn

QA DEPARTEMENT

Tào Mạnh Cương

DIRECTOR GENNERAL

M.S.D.N: 3700147... C.T.C.P ★ CÔNG TY CỔ PHẦN CAO SU PHƯỚC HÒA ★ H.PHÚ GIÁO-T.BÌNH DƯƠNG

NGUYEN VAN TUOC
GENERAL DIRECTOR