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1. Company and product identification				
Product name:	Vulcanizing Cement			
Product identification internal code:	470020, 470021-BV-01,470022-BV-02,470023-BV-03, CV M 470051, CV-00 470010, 470040 CV 00A, 470011 CV 01, 470041 CV-01 A, 470012 CV-02, 470042 CV-02 A, 470056 CVM A, 471112 CVU 1000 TORTUGA, 471110 CVU 225 TORTUGA, 471111 CVU 500 TORTUGA, 470071 SBCV1, 470072 SBCV2, 470073 SBCV3			
Company name:	BORRACHAS VIPAL S/A			
Address:	Rua Buarque de Macedo, 365 95320-000 Nova Prata - RS - Brazil			
CNPJ (Legal Entity National Register)	87870952/0001-44			
Company's phone number:	(54) 242-1666			
Emergency number:	(54) 242-1666			
Fax:	(54) 242-1736			
E-mail:	vipal@vipal.com.br			

2. Composition and ingredients information										
Preparation:			Adhesive based on aliphatic/nafthenic and ketone solvents, natural rubber and additives for rubber.							
Chemical	nature:		Hydrocarbons a	ind Ketones.						
Ingredients	s and impuritie	s contrib	uting for danger.							
Chemical	or generic nai	me	Concentration	n or concentration range	С	Classification and danger labeling				
Aliphatic hydr	ocarbons		=	≝ 25% (p/p)		Fla	mmak	ole liqu	id - 3	
Nafthenic hyd	rocarbons			≝ 24% (p/p)		Fla	mmak	ole liqu	id - 3	
Aromatic hydr	ocarbons			< 1% (p/p)		Fla Tox	mmak ic sub	ole liqu ostance	id – 3 e – 6.1	1
Methyl Ethyl M	letone		≅	≝ 50 % (p/p)		Fla	ımmal	ole liqu	id - 3	
o Intern	ational Identi	fication	·							
Substance	EINECS Nº	Ri	sk Phrases	Safety Phrases	Indica	ation(s) of Da	anger a	ind S	ymbol(s)
Naphtha	232-443-2	I	R45, R65.	S53, S45.	т	T				
Hexane	203-777-6	R11, R R65	38, R48/20, R62, , R67, R51/53	S2, S9, S16, S29, S33, S36/37, S61, S62.	F	6	Xn	X	Ν	N N
Cyclohexane	203-806-2	R11, R38, R65, R67, R50/53.		S2, S9, S16, S25, S33, S60, S61, S62.	F	O	Xn	Xn	Ν	N N
Heptane	205-563-8	R11, R38, R50/53, R65, R67.		S2, S9, S16, S29, S33, S60, S61, S62.	F	Ø	Xn	Xn	Ν	
Benzene	200-753-7	R45, R46, R11, R36/38, R48/23/24/25, R65.		S53, S45.	F		Т	T		
Methyl Ethyl Ketone	201-159-0	R11,	R36, R66, R67,	S2, S9, S16.	F	Ø	Xi	×		



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Risk Phrases	Safety Phrases			
R11: Highly flammable;	S2: Keep out of reach of children;			
R36: Irritating to the eyes;	S9: Keep container in a well ventilated place;			
R38: Irritating to the skin;	S16: Keep away from sources of ignition – No smoking;			
R45: May cause cancer;	S29: Do not empty into drains;			
R46: May cause heritable genetic damage;	S33: Take precautionary measures against static discharges;			
R62: Possible risk of impaired fertility;	S45:In case of accident or if you feel inwell seek medical advice			
R65: Harmful may cause lung damage if swallowed	immediately (show lable where possible);			
R66: Repeated exposure may cause skin dryness or crackin;	S53: Avoid exposure. obtain special medical instruction before use;			
R67: Vapors can cause giddiness and drowsiness.	S60: This material and/or it's container must be disposed of as			
R36/38: Irritating to eyes and skin;	hazardous waste;			
R48/20: Harmful: danger of serious damage by prolonged exposure	S61: Avoid release to the environment. Refer to special			
through inhalation;	instructions/Safety data sheet;			
R51/53:Toxic to aquatic organisms and may cause long-term adverse	S62: If swallowed, do not induce vomiting seek medical advice			
effects in the aquatic environment;	immediately and show this conteiner or label;			
R50/53:; Very toxic to aquatic organisms and may cause long-term	S36/37: Wear suitable protective clothig and gloves.			
adverse effects in the aquatic environment				
R48/23/24/25:Toxic: danger of serious damage to health by prolonged				
exposure through inhalation, in contact with skin and if swallowed.				
T – Toxic F – Flammable Xn – Harmful N – Dangerous for the environment Xi – Irritant				

3. Danger identification				
Ма	jor dangers:	Liquid and its vapors are flammable. Harmful.		
Pro	oduct effects:			
¢	Adverse effects to human health:	Vapors that are inhaled are irritating and CNS-depressant.		
Û	Effects on environment:	 Product's air-borne vapors make the environment explosive and toxic. The product and water resulting from fire fighting are harmful to flora and fauna. Part of the product spilled in the water will evaporate. The product spilled on the soil may partly evaporate and partly be lixiviated and percolate, contaminating the water table, which therefore limits its use. Biodegradation speed will depend on weather conditions, dilution, and existing microorganisms. 		
¢	Physical and chemical dangers:	Liquid and its vapors are very flammable upon sparks or flames.		
¢	Specific dangers:	Harmful, flammable product.		
Ma	jor symptoms:	Resultingfrominhalation:Nausea,headaches,dizziness,vertigo,unconsciousness to coma and death upon severer exposures.Resulting from skin contact:Dryness, irritations and dermatitis		
Ch	emical product classification:	Flammable liquid.		
 Emergency overview: 		Upon leakage: Avoid all sources of ignition; immediately isolate the area. Upon fire: Use sprinklers with dry chemical powder, chemical foam or CO ₂ .		

	4. First-aid measures			
	First-aid measures:			
	Inhalation:	Remove victims to fresh air and keep them quiet and warm. Perform artificial respiration, when necessary. Refer them to a physician.		
	Skin contact.	Take off contaminated clothes. Do not rub the affected parts . Wash with abundant water and soap. Refer them to a physician.		
	Eye contact.	Wash with abundant water. Refer them to a physician.		
	Ingestion:	If victims are conscious, make them drink water. Refer them to a physician.		
-	Actions that should be avoided:	Wash skin using solvent. Provoke vomit, unless it has been recently ingested in great volume and the patient is not in coma.		
	Short description of major symptoms and effects:	Airway, skin, eye and mucosa irritation and discomfort due to smell.		
-	First-aid provider protection and/or notes for physicians:	First-aid providers should use all the individual-protection equipment that is recommended in this sheet, according to the existing scenario. Central Nervous System (CNS) depressor		



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5. Fire-fighting measures				
Appropriate extinction means:	Use chemical-powder (PQS), chemical-foam, or CO2 sprinkles. Use water-mist spout to cool down adjacencies.			
Inappropriate appropriate extinction means:	Water on flames.			
Specific dangers:	Water on flames may enhance fire intensity, as well as vapors may be displaced and reach an ignition source, which would cause flames to retrocede.			
Special methods:	Removal of containers from the area on fire, if this is possible without any risks.			
Fire-fighters protection:	Use autonomic mask to enter in closed environment.			

6. Control measures for spilling or leakage				
Pe	rsonal precautions:			
⊳	Removal of ignition sources:	Eliminate all ignition sources, prevent from sparks and flames, and do not smoke in the risk area. Isolate all leakages of ignition sources.		
¢	Dust control:	Not applicable, because it is liquid.		
Ŷ	Inhalation and mucosa-, eyes- and skin-contact prevention :	Use impermeable boots, clothes and gloves; airtight goggles for chemical products and adequate respiratory protection.		
Pre	ecautions regarding the enviror	nment.		
Û	Alarm system:	Surround the area with restraint barriers or trenches. Hinder the leakage, if this is possible without any risks. Do not put the spilled material on the way of any public drainage systems. Absorb using earth, or any other absorbent material. Prevent from contaminating water streams and springs. Water entrainment should take into account posterior treatment of the contaminated water. Avoid performing this entrainment.		
Cle	eaning methods:			
₽	Recovery:	Collect the product in a duly identified, well-sealed emergency container. Keep recovered product for posterior disposal.		
₽	Neutralization:	Not necessary; this product has pH almost neutral.		
٩	Disposal:	Do not dispose of it in regular garbage cans. Do not dispose of it in sewage systems or water streams. Confine, when possible, for posterior recovery or disposal. Final disposal shall be accompanied by an expert, and pursuant to the environmental legislation in force in the community.		
₽	Secondary danger prevention	Inappropriate disposal may affect soil, and by percolation, degrade water quality in the water table.		

	7. Handling and storage				
	Handling:				
Û	>	Technical measures:			
		 Workers' exposure prevention: 	Keep the work setting ventilated to avoid higher vapor concentration than that tolerable. Provide workers with skin and eye protection to prevent from direct contact with the product.		
		- Fire and explosion prevention:	Keep the work setting ventilated to keep vapor concentration out of explosiveness limits. Use anti-sparking tools and cover system's conducting elements that are in contact with the product with earth to avoid ignition.		
		 Precautions for safe handling: 	Keep the work setting ventilated to prevent from vapor formation higher than tolerated and to avoid contamination due to contact with other products.		
	¢	Instructions for safe handling:	Provide local exhausting ventilation, whenever the processes require it. Avoid high room temperatures. Avoid contact with other products.		
	St	orage:			
	٩	Appropriate technical measures:	Keep the product in the original container.		



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Storage conditions:	
- Appropriate:	In a well-ventilated place at room temperature; away from oxidizing agents, ignition and heat sources to avoid degradation and fire.
- To be avoided:	Heat, sparks and high shelves.
	Conform NFPA 704 rule – National Fire Protection Agency:
	Health: 1
	Flammability: 3
	Reactivity: 1
- Risk signaling:	Special: -
	Identify using flammable symbology
	FLAMMABLE LIQUID 3
- Incompatible products and	Strong oxidants, such as liquid chlorine and concentrated oxygen.
materials: ▷ Safe nackade materials:	
- Recommended	The manufacturer's package
Inannronriate:	Any other nackages



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			8. Individ	ual expo	sure and	protection	control			
 Engineering c 	ıres:	Keep the work setting ventilated to keep vapor concentration limits under the warned tolerance limits. At open settings, when handling with it, position yourself in front of the wind to avoid inhalation.								
■ Specific control	Specific control parameters:									
Limits for	occupationa	l exposur	e:							
			NR	- 15				ACGIH		
Ingredient	# CAS	TL	-MP	V	M	- TLV (8-hour e	- TWA exposure)		TLV - ST	EL
		ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	exposure period
Hexane	110-54-3	N.F.	N.F.	N.F.	N.F.	500	1.800	1.500	5.400	30 min
Cyclohexane	110-82-7	235	820	293	1.025	300	1.050	900	3.150	30 min
Ethylmethyl ketone	78-93-3	155	460	194	575	200	590	300	885	15 min
Heptane	142-82-5	400	1.640	500	1.804	400	1.600	500	2.000	15 min
Benzene	71-43-2	1 ¹	3,191	N.F.	N.F.	10	32	50	160	10 min

CAS = Chemical Abstracts Service

NR 15 = Regulating rule for unhealthy activities and operations

ACGIH = American Conference of Governmental and Industrial Hygienists

TL - MP = Tolerance limit - weighted average

TLV – TWA = Threshold Limit Value – Time Weighted Average TLV – STEL = Threshold Limit Value – Short Term Exposure Limit

N.F. = Not found

= VRT-MPT, air-borne benzene concentration weighted average for an 8-hour period of daily work (NR-15 Annex 13-A, item 6.2)

Biologic indicators:

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	Toxicologic data				
Ingredient	Oral DL ₅₀ (mg/kg)	Dermal DL ₅₀	Inhalative CL ₅₀	IDHL	
Hexane	28.710, mice	N.F.	5,000ppm, 10min, human CNS	5,000ppm	
Cyclohexane	N.F.	N.F.	N.F.	1,300ppm	
Ethylmethylketone	2,400mg/kg, mice	6,480mg/kg, mice	40g/m³, 2h, mice	3,000ppm	
Heptane	N.F.	N.F.	N.F.	750ppm	
Benzene	930-female rat 50-man	N.F.	9980ppm, mouse	3,000mg/m³	

IDHL = Immediately Dangerous to Life or Health

DL₅₀ = The dose of a chemical substance that kills 50% of a group of animals from the same species when administered through the same via (oral or dermal) (DL= Lethal Dose)

CL₅₀ = Lethal atmospheric concentration of a chemical substance that kills 50% of a group of exposed animals within a given period of time (CL = Lethal Concentration)

CNS = Central Nervous System

N.F. = Not found

r\	Other limits and values:	Hexane: ILV-IWA for skin 50ppm
~	Other minus and values.	Benzene: TLV-TWA for skin 0.5ppm



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Recommended	 Recommended monitoring procedures: 				
Tole		nce limit	Methods to assess contamination		
ingreaterit	no air	IBMP	no air	biologic	
Hexane	500ppm	5mg/g creat.	Monitor 3500 or 3520 by 3M		
Cyclohexane	235ppm	N.F.	Colorimetric Detector Tube	Urinary dosage of 2,5- hexanedione	
Heptane	400ppm	N.F.	MSA/Auer 215409		
Ethylmethylketon e	155ppm	2mg/l – NR-7	Monitor 3500 or 3520 by 3M; Colorimetric Detector Tube MSA/Auer 215572	MEC Dosage in urine	
Benzene 1ppm N.		N.F.	Monitor 3500 or 3520 by 3M; Colorimetric Detector Tube MSA/Auer 215200 and 215496	Exhaled benzene Phenyl mercapturic acid Trans-transmuconic acid Benzene in urine Reticulocytes Platelet count	
IBMP = maximum biolo N.F. = Not found	ogic rate permitted	d (NR-7 MTb)			
 Appropriate indi 	ividual protectio	n equipment.			
⇔ Respiratory protection:		Ventilation filter for o semi facia damages equipment	Ventilation to keep exposure below TL (tolerance limit). Respirator with chemical filter for organic vapors under high concentrations, and respirator with filtrating semi facial part under concentrations up to TL. In cases of very high-proportion damages in confined settings without ventilation, autonomic respiration equipment or sent-air set.		
⇔ Hands prot	ection:	Gloves for product.	r organic solvents whenever there	e is risk of direct contact with the	
⇔ Eyes protect	ction:	Goggles o	r facial protection whenever there is	the risk of sprinkles.	
Skin and bo	ody protection:	Impermeal	ble apron or overall whenever there	is direct contact with the product.	
 Special precautions: Special precautions: Avoid ma qualified, workers' Risk Prev 			ssive exposure to vapors. Chemical skilled people. In places where c exposure should be monitored, as de ention Program).	products should be handled with by hemical products are manipulated, escribed in the ERPP (Environmental	
Hygiene-related measures:		Clothes, g efore bein Always us Wash hand Do not eat <u>Do not us</u> personal h Good oper with chem	loves, shoes, IPE(Individual Protec g used again. e for personal hygiene: water, soap ds before using the bathroom, eating where you work <u>se gasoline, diesel</u> oil or any o hygiene. rational and industrial hygiene proce ical products.	ction Equipment) should be cleaned and cleansing creams. g or drinking. other petroleum-derived solvent for edures help reduce risks at handling	

9. Physicochemical properties				
physical state:	Liquid			
Form:	viscous			
Color.	Milky Beige			
Smell:	of ketone			
рН:	Not significant			
Specific temperatures or temper	rature ranges at which changes in the physical state occur.			
Distillation range:	60℃ to 84℃ (at 760 mmHg)			
Decomposition temperature:	> 200℃			
Point of glow:	- 18°C			
Explosiveness limits superior - inferior.	11.5 – 1.2%			
Vapor pressure:	0.42kgf/cm² at 37.8℃			



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Vapor density:	2.9 (air = 1)
Density:	0.71 to 0.76 (water = 1)
Solubility (indicate solvent(s)):	Soluble in organic solvents
Evaporation rate:	600 (butyl acetate = 100)
Viscosity:	1700 — 3000 cP

10. Stability and reactivity				
Specific conditions:				
⇔ Instability:	Stable product under normal conditions of use. Avoid contact with strong oxidizing chemical products. Storage temperatures higher than 40°C are harmful to the product.			
Dangerous reactions:	Reaction with strong oxidizing chemical products (chlorates, peroxides, acids and others). Self-ignition over 280 ${\tt C}$			
Conditions to be avoided:	Heat and ignition sources.			
Incompatible materials or substances:	Strong oxidizing agents such as peroxides, liquid chlorine and concentrated oxygen			
Need for adding additives and inhibitors:	Stable, therefore it does not need additives and inhibitors.			
Dangerous products from decomposition:	By combustion: carbon dioxide CO ₂ , carbon monoxide CO, and toxic gases.			

11. Toxicologic information					
Information according to the different exposure manners:					
⇔ Acute toxicity:	Inhalation:When inhaled, vapors are CNS-irritating and -depressant, and their effects range from headache, vertigo, nausea, dizziness, confusion and lack of coordination, unconsciousness, and lung edema to coma and death at severe exposures.Skin contact:Skin contact causes dryness, and may cause irritation and dermatitis.Eve contact:vapors cause eye irritation.Ingestion:At vomiting, the major risks are chemical pneumonitis, lung edema and				
	Inhalation: it may cause superior airway irritation with wet cough (mucous				
⇔ Local effects:	secretion). <u>Skin contact</u> : irritation and dryness. <u>Eye contact</u> : irritation with tearing and congestion. <u>Ingestion</u> : it may cause severe gastric lesions.				
Sensitization:	In individuals with allergic rhinitis it makes nasal mucosa sensitive.				
⇔ Chronic toxicity:	Inhalation: it may cause headache, vertigo, nausea, dizziness etc. Skin contact: it may produce dryness dermatitis. Eye contact: vapors may produce conjunctivitis.				
Toxicologically synergic effects:	Unknown.				
Specific effects:	Non-carcinogenic, non-mutagenic, non-teratogenic, non-embryotoxic product.				
 Substances causing effects: 					
Additives:	Unknown.				
♀ Potentiation:	Unknown.				



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12. Ecologic information				
■ Eff	Effects on environment, behavior, and product impact:			
Ŷ	Mobility:	In water medium: immiscible, it floats in the form of pellicle, solvents evaporate over time; inert, solid residues also float, and may be collected. In soil medium: solvents percolate and may reach water tables; inert, solid residues remain on the surface and may be collected. In atmosphere medium: solvents evaporate.		
Δ	Persistence/degradability:	Water solvents will go to the atmosphere, where they dissipate. Percolated solvents in the soil, as petroleum fraction, will remain unaltered for undetermined time.		
\Rightarrow	Bioaccumulation:	It does not bioaccumulate		
đ	Expected behavior.	Spilled or applied, solvents will tend to evaporate, and will dissipate in the atmosphere, preferably near the soil, due to its density, which is higher than that of the air. It will be left, for the environment, the solid part of the adhesive - with inert effect.		
Ŷ	Impact on environment.	If the product is spilled in the water, it will float, and its solvents will damage water life until they evaporate. Its solvents, once they are distributed on the soil by percolation, may damage flora, fauna and water tables. In the atmosphere, solvent vapors may contribute for the greenhouse effect.		
Ŷ	Ecotoxicity:	 <u>Air</u>: solvent vapors are harmful for the environment. <u>Water</u>: may provide water with unwanted qualities, thus impairing its use. Benzene: as a less probable component of this product, its maximum limit for waters Class 1, 2 and 3 established at 0,01 mg/l; floating materials: established as being virtually absent in waters Class 1, 2, 3, 4, 5, 6, 7 and 8; oils and Greases: established as being virtually absent in waters Class 1, 2, 3, 5 and 7, and iridescences are tolerated for waters Class 4, 6 and 8; for special class water, there is no tolerance for any kind of contaminating agents. Source: Resolution CONAMA # 20, dated from June 18, 1986. <u>Soil</u>: Its solvents may affect the soil, and, by percolation, contaminate waters in the water table. 		

13. Considerations on treatment and disposal				
Treatment and disposal methods:				
٩	Product:	Product that is not used for its adhesive function, should be leaked from the container, and its solvents should be evaporated in ventilated setting. Solid residues should be kept in a covered place, in sealed containers, in good conditions, identified, and referred to treatment in a site duly licensed by the competent environmental agency.		
٩	Product remainders:	Product's remainders should be kept in a covered place, in sealed containers, in good conditions, identified, and referred to treatment in a site duly licensed by the competent environmental agency.		
¢	Utilized package:	Do not reuse containers. Empty packages should be kept in a covered place, in sealed containers, in good conditions, identified and referred to treatment in a site duly licensed by the competent environmental agency.		



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14. Transportation information										
National and international regulations:										
Land and river transport.										
ONU	Proper Shipping	Risk	Risk	Packing	Sn	ecial	Limited	In em	Guide	cases
Number	Name/Description	class	Number	Group	prov	visions	quantity	IPE	EmS	Kit
1133	ADHESIVES, containing flammable liquid	3	33	Ш	1	02	333 kg	A	26	1
⇒ .	Sea transport:					[r		
ONU Number	Proper Shipping Name/Description	Risk class	Risk Number	Packing Group	Sp prov	Special Limited Emergency Guide			iuide	
1133	ADHESIVES, containing flammable liquid	3	33	II	9	44	5 liter		F-E,S-D	
₽	Air transport:				<u></u>	4422				
			<u></u>	Number	ONU	1133				
		Prop	er Shipping	Name/Descri	ption	Adhes	lives, contair	ning flai	nmable	liquid
						3 flomm	ahla liquid			
				Danger Lab	eiing	namm	able liquid			
	Movimum quantity par	inner neekee		Packing G	roup	II 0.5 lite	er (Y305) IP3	and IP?	BA	
	Maximum pet quantity per			nger/cargo ai	rcraft	1 liter	out package			
	Maximum quantity per	inner nackac	e on passe	nger/cargo ai	rcraft	5 liter	(305) IP3 an	d IP3A		
	Maximum net quantity per	er out packag	e on passe	nger/cargo ai	rcraft	5 liter.	out package	4G		
	Maximum net q	uantity per in	ner packag	le on cargo ai	rcraft	10 lite	r (307), IP3A			
	Maximum	quantity per	out packag	e on cargo ai	rcraft	60 lite	r, out package	e 4G		
	Practical Guide fo	r Emergency	Response	ERG Code-IC	CAO)	3L				
(¹) – Pro	etective gloves and boots; self-c	ontention equ	uipment; spr	inkling hoses.						
Precautio	on measures and specific cond	tions for trar	sportation						_	
₽	Land, River and Sea p transport: ig	moking is fo ackages is f inition of pr	orbidden n forbidden. oducts or f	ear packages In addition, c their gases o	s duri levice r vapo	ng han es and e ors sho	dling. Using equipment ca ould not be us	gas ligł apable o sed.	nting nea of provol	ar king
 For quantities above 333 kg of this product, transported in a vehicle, it is mandatory: flammable risk label (lozenge - figure below) and safety sign (rectangle - figure below) externally fixed on the vehicle; IPE and equipment for emergencies; trained driver; product's emergency sheet; license given by the competent environmental agency for the transportation of dangerous products. It is prohibited to carry passengers in the vehicle without having the respective IPE kits [Individual Protection Equipment]). Additional regulations: 					for e cts. ive					



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15. Regulations					
Re	gulations:				
⇔	Information about risks and safety, as described in the label:	 Use it with appropriate ventilation and get protected by using a mask with organic vapor filter. Avoid repeated, prolonged contact with skin. Use impermeable gloves. This product should not be ingested; if this occurs, do not provoke vomiting. If the person is conscious, administer water or milk. Refer to specialized medical assistance and show the package. Use goggles to protect from sprinkles Keep it away from children and animals. Flammable product; always keep it well-sealed and away from heat sources. Package should not be incinerated, reused, or perforated. STORAGE: In ventilated, dry places, away from heat or ignition (sparks) sources. 			

16. Additional information					
Examples:					
¢	Special needs for training:	The user should be warned to keep the place of utilization well ventilated.			
¢	Recommended use and potential restrictions to the chemical product.	Recommended for gluing and vulcanizing tire and bicycle's tube repairs.			
Ŷ	References:	 Manual de Autoproteção para Manuseio e Transporte Rodoviário de Produtos Perigosos [Self-Protection Manual for Handling and Road Transport of Dangerous Products] – July/1997 – Mercosul Edition; International Maritime Dangerous Goods Code – IMO - 2002 Edition; Dangerous Goods Regulations - IATA – 44th Edition - 2003; Toxicity and Safe Handling of Rubber Chemicals Fourth Edition, 1999, RAPRA Technology Ltda; Toxicologia Industrial [Industrial Toxicology], 1997, Roberto Charles Góes; Occupational Medicine and Health Guidelines - Collected Writings, 40th Edition, 1998; Internet: <u>http://www.osha.gov</u>; <u>http://www.cas.org</u>; <u>http://www.cas.org</u>; <u>http://mtp-server.niehs.nih.gov/cgi/iH_Indexes/All/iH_All_Frames.html</u>; <u>http://ptcl.chem.ox.ac.uk/MSDS/mels.html</u>; <u>http://www.sha-slc.gov/dts/Chemicalsampling/toc/toc_Chemsamp.html</u>; <u>http://www.nfpa.org</u>. www.uvigo.es/servicios/prevencion/ Etiquetaxe%20substancias.ppt <u>http://www.uvigo.es/servicios/prevencion/ Etiquetaxe%20substancias.ppt http://ecb.jrc.it/esis/esis.php?PGM=ein&DEPUIS=autre</u> NBR 14725 – Chemical product safety information sheet - FISPQ, July 2001, ABNT: Associação Brasileira de Normas Técnicas [Brazilian Association of Technical Rules]; 			

Information and recommendations contained in this publication were collected from apt sources. Data contained in this information sheet refer to a specific product.

Borrachas Vipal S.A., through this information sheet, does not intend to give absolute, definitive information about this product and its risks; rather, it intends to provide subsidies, by giving known information, to its employees and clients for their individual protection, the maintenance of occupational continuity, and environment preservation.