

<i>Product name</i>	FISPQ #: 0001A
Tire Mounting and Demounting Paste	Page: 1 of 6
	Revision: Dec/2004

1. Company and product identification	
■ <i>Product name:</i>	Tire Mounting and Demounting Paste
■ <i>Product identification internal code:</i>	503006
■ <i>Company name:</i>	BORRACHAS VIPAL S/A
■ <i>Address:</i>	Rua Buarque de Macedo, 365 95320-000 Nova Prata - RS - Brazil
■ <i>CNPJ (Legal Entity National Register)</i>	87870952/0001-44
■ <i>Company's phone number:</i>	(54) 3242-1666
■ <i>Emergency number:</i>	(54) 3242-1666
■ <i>Fax:</i>	(54) 3242-1736
■ <i>E-mail:</i>	vipal@vipal.com.br

2. Composition and ingredients information		
■ <i>Preparation:</i>	Lubricant based on vegetal raw materials	
■ <i>Chemical nature:</i>	Vegetable shortening based soap, alkali, colorant, scent.	
■ <i>Ingredients and impurities contributing for danger:</i>		
<i>Chemical or generic name</i>	<i>Concentration or concentration range</i>	<i>Classification and danger labeling</i>
There are no ingredients or impurities on sufficient concentration to generate any danger.		

3. Danger identification	
■ <i>Major dangers:</i>	No particular danger known.
■ <i>Product effects:</i>	
<input type="checkbox"/> <i>Adverse effects to human health:</i>	Unknown
<input type="checkbox"/> <i>Effects on environment:</i>	
<input type="checkbox"/> <i>Physical and chemical dangers:</i>	
<input type="checkbox"/> <i>Specific dangers:</i>	
■ <i>Major symptoms:</i>	
■ <i>Chemical product classification:</i>	
■ <i>Emergency overview:</i>	

4. First-aid measures	
■ <i>First-aid measures:</i>	
<input type="checkbox"/> <i>Inhalation:</i>	Remove victims to fresh air. Perform artificial respiration, when necessary. Refer them to a physician.
<input type="checkbox"/> <i>Skin contact:</i>	Wash with abundant water.
<input type="checkbox"/> <i>Eye contact:</i>	Wash with abundant water for at least 15 minutes. Refer them to a physician.
<input type="checkbox"/> <i>Ingestion:</i>	Wash mouth with abundant water. Drink water.
■ <i>Actions that should be avoided:</i>	Contact to skin and eyes for a long period.
■ <i>Short description of major symptoms and effects:</i>	There are no significant symptoms.
■ <i>First-aid provider protection and/or notes for physicians:</i>	Remove contaminated clothing and take them to a physician.

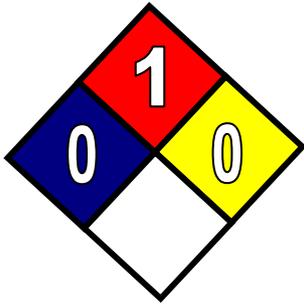
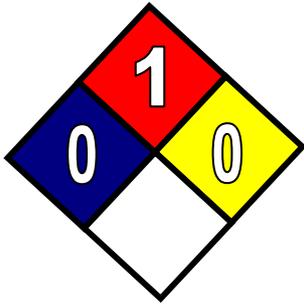
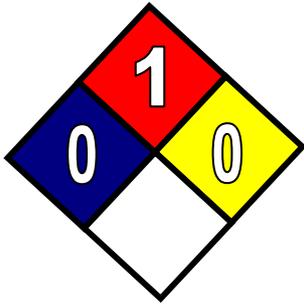
<i>Product name</i>	FISPQ #: 0001A
Tire Mounting and Demounting Paste	Page: 2 of 6
	Revision: Dec/2004

5. Fire-fighting measures	
■ <i>Appropriate extinction means:</i>	Use water, chemical-powder (PQS), chemical-foam, or CO2.
■ <i>Inappropriate extinction means:</i>	Any other method.
■ <i>Specific dangers:</i>	Unknown
■ <i>Special methods:</i>	
■ <i>Fire-fighters protection:</i>	

6. Control measures for spilling or leakage	
■ <i>Personal precautions:</i>	
<input type="checkbox"/> <i>Removal of ignition sources:</i>	Eliminate all ignition sources, prevent from sparks and flames, and do not smoke in the risk area. Isolate all leakages of ignition sources.
<input type="checkbox"/> <i>Dust control:</i>	Not applicable.
<input type="checkbox"/> <i>Inhalation and mucosa-, eyes- and skin-contact prevention:</i>	Not applicable.
■ <i>Precautions regarding the environment:</i>	
<input type="checkbox"/> <i>Alarm system:</i>	Isolate area where spill happened.
■ <i>Cleaning methods:</i>	
<input type="checkbox"/> <i>Recovery:</i>	Manually or mechanically. Use protective gloves.
<input type="checkbox"/> <i>Neutralization:</i>	Not applicable.
<input type="checkbox"/> <i>Disposal:</i>	Store for later reuse or disposal.
<input type="checkbox"/> <i>Secondary danger prevention</i>	Not applicable.

<i>Product name</i>	FISPQ #: 0001A
Tire Mounting and Demounting Paste	Page: 3 of 6
	Revision: Dec/2004

7. Handling and storage

<p>■ <i>Handling:</i></p>						
<p><input type="checkbox"/> <i>Technical measures:</i></p>						
- <i>Workers' exposure prevention:</i>	Not applicable.					
- <i>Fire and explosion prevention:</i>	Not applicable.					
- <i>Precautions for safe handling:</i>	Handle with care.					
<input type="checkbox"/> <i>Instructions for safe handling:</i>	Equipment for assist on transportation, if needed.					
<p>■ <i>Storage:</i></p>						
<input type="checkbox"/> <i>Appropriate technical measures:</i>	Not applicable.					
<p><input type="checkbox"/> <i>Storage conditions:</i></p>						
- <i>Appropriate:</i>	In dry and well-ventilated areas.					
- <i>To be avoided:</i>	Heat, sparks and high shelves.					
<p>- <i>Risk signaling:</i></p>	<p>Pursuant to NFPA 704 rule – National Fire Protection Agency:</p> <table border="1"> <tr> <td style="background-color: #000080; color: white;">Health: 0</td> <td rowspan="4" style="text-align: center; vertical-align: middle;">  </td> </tr> <tr> <td style="background-color: #FF0000; color: white;">Inflammability: 1</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">Reactivity: 0</td> </tr> <tr> <td>Special: -</td> </tr> </table>	Health: 0		Inflammability: 1	Reactivity: 0	Special: -
	Health: 0					
	Inflammability: 1					
	Reactivity: 0					
Special: -						
- <i>Incompatible products and materials:</i>	Not applicable.					
<p><input type="checkbox"/> <i>Safe package materials:</i></p>						
- <i>Recommended:</i>	The same manufacturer container.					
- <i>Inappropriate:</i>	Any other package.					

<i>Product name</i>	FISPQ #: 0001A
Tire Mounting and Demounting Paste	Page: 4 of 6
	Revision: Dec/2004

8. Individual exposure and protection control

- *Engineering control measures:*
- *Specific control parameters:*
- Limits for occupational exposure:*

Ingredient	# CAS	NR - 15				ACGIH				
		TL-MP		VM		TLV – TWA (8-hour exposure)		TLV - STEL		
		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³	Exposure period

There are no ingredients or impurities on sufficient concentration to generate any danger.

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
¹ = 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:

Ingredient	Toxicologic data			
	Oral DL ₅₀ (mg/kg)	Dermal DL ₅₀	Inhalative CL ₅₀	IDHL

Since there are no ingredients that can cause danger, there are no biologic indicators.

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

Other limits and values: **No applicable.**

■ *Recommended monitoring procedures:*

Ingredient	Tolerance limit		Methods to assess contamination	
	no air	IBMP	no air	biologic

Since there are no ingredients that can cause danger, there is no need for monitoring.

IBMP = maximum biologic rate permitted (NR-7 MTb)
 N.F. = Not found

■ *Appropriate individual protection equipment:*

- Respiratory protection:* **Not applicable.**
- Hands protection:* **Latex or PVC gloves.**
- Eyes protection:* **Goggles or facial protection.**
- Skin and body protection:* **Apron or overall.**

■ *Special precautions:* **Not applicable.**

- *Hygiene-related measures:* **Well ventilated working areas. Keep container closed when not in use. Wash hands before using the bathroom, eating or drinking. Do not eat, drink or store food where you work. Wash hands when finish handling the product.**

<i>Product name</i>	FISPQ #: 0001A
Tire Mounting and Demounting Paste	Page: 5 of 6
	Revision: Dec/2004

9. Physicochemical properties	
■ <i>physical state:</i>	Paste
■ <i>Form:</i>	Not applicable
■ <i>Color:</i>	Light blue
■ <i>Smell:</i>	Product scent.
■ <i>pH:</i>	9.0 – 10.0 (solution 1%)
■ <i>Specific temperatures or temperature ranges at which changes in the physical state occur.</i>	
■ <i>Auto-ignition temperature:</i>	Not applicable
■ <i>Point of glow:</i>	Not applicable
■ <i>Explosiveness limits</i> ■ <i>Superior - inferior:</i>	Not applicable
■ <i>Density:</i>	1.08 g/l
■ <i>Solubility (in water):</i>	Miscible

10. Stability and reactivity	
■ <i>Specific conditions:</i>	
<input type="checkbox"/> <i>Instability:</i>	Stable under normal conditions of use.
<input type="checkbox"/> <i>Dangerous reactions:</i>	None when following the application procedures
■ <i>Conditions to be avoided:</i>	None detectable
■ <i>Incompatible materials or substances:</i>	None detectable
■ <i>Need for adding additives and inhibitors:</i>	None detectable
■ <i>Dangerous products from decomposition:</i>	None when following the application procedures

11. Toxicologic information	
■ <i>Information according to the different exposure manners:</i>	
<input type="checkbox"/> <i>Acute toxicity:</i>	None, since there are no ingredients that can cause danger.
<input type="checkbox"/> <i>Local effects:</i>	None, since there are no ingredients that can cause danger.
<input type="checkbox"/> <i>Chronic toxicity:</i>	None, since there are no ingredients that can cause danger.
■ <i>Substances causing effects:</i>	
<input type="checkbox"/> <i>Additives:</i>	Unknown.

<i>Product name</i>	FISPQ #: 0001A
Tire Mounting and Demounting Paste	Page: 6 of 6
	Revision: Dec/2004

<input type="checkbox"/> <i>Potential:</i>	Unknown.
--	-----------------

12. Ecologic information

■ *Effects on environment, behavior, and product impact:*

<input type="checkbox"/> <i>Persistence/degradability:</i>	Due to its characteristics, it is degradable.
<input type="checkbox"/> <i>Bioaccumulation:</i>	Unknown.
<input type="checkbox"/> <i>Impact on environment:</i>	On its normal physic state, it does not represent any environment hazard.

13. Considerations on treatment and disposal

■ *Treatment and disposal methods:*

<input type="checkbox"/> <i>Product.</i>	Product that is not used for its recommended application, should be discarded, on a closed container and sent to the appropriate environment agency.
<input type="checkbox"/> <i>Product remains</i>	Product that is not used for its recommended application, should be discarded, on a closed container and sent to the appropriate environment agency.
<input type="checkbox"/> <i>Utilized package:</i>	The containers, should be discarded, on a closed container and sent to the appropriate environment agency.

14. Transportation information

■ *National and international regulations:*

<input type="checkbox"/> <i>Land and river transport:</i> Product classified as no hazardous (Port 204/97)
<input type="checkbox"/> <i>Sea transport:</i> Product classified as no hazardous (IMO)
<input type="checkbox"/> <i>Air transport:</i> Product classified as no hazardous (IATA)

15. Regulations

■ *Regulations:*

<input type="checkbox"/> <i>Information about risks and safety, as described in the label.</i>	Since there are no ingredients or impurities on sufficient concentration to generate any danger, there are no applicable information.
--	--

16. Additional information

■ *Examples:*

<input type="checkbox"/> <i>Special needs for training:</i>	The user should be able to follow the recommended application procedures.
<input type="checkbox"/> <i>Recommended use and potential restrictions to the chemical product.</i>	Recommended for mounting and demounting rubber tires.
<input type="checkbox"/> <i>References:</i>	• Cbm Chemist Industry

*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.*