



TIRE REPAIR PATCHES

1. Product and company identification

Product's name: TIRE REPAIR PATCHES

Product's internal identification code: BP e RP

Company's name: rubber vulk, lda

Address: Zona Industrial, Lote 21 - 3680-133 Oliveira de Frades

Company's phone: +351 232 763 109 Fax: +351 232 763 110

E-mail: info@rubbervulk.com

2. Hazard identification:

Not applicable.

Hazard classification and labeling:

Vulcanized rubber-based solid artifact, not classified as toxic or hazardous.

Risk:	Within the normal conditions of industrial use and respecting the safety and hygiene standards this product does not present handling and health risks.
PRODUCT EFFECTS Effects of Exposure	Not determined
Environmental Effects:	In high quantity can cause imbalance in the ecosystem because of the long period for decomposition

3. Composition and information on the ingredients:

Preparation: Vulcanized rubber artifact

Chemical nature: Vulcanized elastomer compounds, oil, mineral loads, nylon and polyester fabric

Components that contribute to the hazard: N.A.

4. First-aid measures:

FIRST-AID MEASURES

Inhalation	NA
Contact with the skin	Irritation due to chronic exposure in persons sensitive or allergic to vulcanized rubber pastes
Contact with the eyes	NA
Ingestion	Solid material can obstruct the respiratory system, seek medical help immediately.

DO NOT INDUCE VOMIT

Major symptoms	NA
Actions to be avoided	Avoid direct and prolonged contact with the product
Doctor information	Material based on natural and synthetic vulcanized rubbers.



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5. Firefighting measures:

Appropriate extinguishing methods	Chemical Powder fire extinguisher, CO2.
Inappropriate extinguishing methods	Do not use jet of water directly, only spray or foam
Specific hazards	This product is an oxidizing agent. Burning can generate toxic fumes.
Special methods	Firefighting with the wind always at your back
Firefighters protection	In the case of high concentrations of toxic fumes, use the individual respiratory equipment

6. Control measures for spill / leakage:

PERSONAL PRECAUTIONS

Removal of the sources of ignition	NA.
Dust control	NA.
Prevention of inhalation or contact with the skin, mucus or eyes.	NA.
Environmental precautions	Non-degradable solid material, collect and consult the local legislation for its disposal.
Removal and cleaning methods	Collect in boxes or other recipient, consult the local legislation for its disposal.
Recovery	NA
Disposal	Burn in an appropriate incinerator. Any disposal method should obey the legislation and the local regulations. Do not dispose into the sewer, ground or any water body or source.

7. Handling and storage:

HANDLING

Appropriate technical measures	Use the individual protection equipment (IPE).
Exposure prevention	Handle according to the established safety standards. Use the indicated individual protection equipment (IPE). Always keep the packs closed.
Fire or explosion prevention	Normal preventive fire protection measures.
Safe handling precautions	Avoid prolonged contact with the skin.

STORAGE

Appropriate technical measures	Material sensitive to light and heat
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STORAGE CONDITIONS

Appropriate	Covered, ventilated and dry areas (temperature of $\pm 25^{\circ}\text{C}$)
To be avoided	Near heat sources, places without ventilation.
Risk signal	NA
Incompatible products	NA

SAFE PACKAGING MATERIALS

Recommended	Original pack
Inappropriate	Any other type of packing that is not the original packing of the product.



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8. Exposure control and individual protection:

Engineering control measures NA.

SPECIFIC CONTROL PARAMETERS

Limits of occupational exposure: N D

Biological indicators N D

Other limits and values N D

Recommended monitoring procedures N D

APPROPRIATE INDIVIDUAL PROTECTION EQUIPMENT

Breathing protection NA.

Hand protection Gloves for general use

Eye protection NA.

Skin and body protection Safety footwear and waterproof apron

Special precautions NA

Hygiene measures Avoid: Smoking, eating and drinking in the area of application.

9. Physical/Chemical properties:

Physical state Solid

Form Varied

Odor NA

Color Black

pH N.A.

SPECIFIC TEMPERATURES AT WHICH CHANGES IN THE PHYSICAL STATE OCCUR

Boiling point NA

Distillation range Not determined

Freezing point Not determined

Melting point Not determined

Flash point Not determined

Self-igniting temperature Not determined

Steam pressure NA

Vapor density NA

Rate of evaporation Not determined

Steam pressure 1.10a 1.30

Solubility Insoluble in water

10. Stability and reactivity:

SPECIFIC CONDITIONS

Chemical stability Stable under the normal recommended handling and storage conditions.

Instability Stable under normal use and stock conditions.

Dangerous reactions NA.

Conditions to avoid Keep away from heat

Incompatible materials NA

Hazardous products from the Breakdown Product does not have corrosive action on metals. The combustion of the product can emit acidic and toxic gases.

Risk of spontaneous polymerization Does not occur



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11. Toxicological information:

INFORMATION ACCORDING TO THE DIFFERENT WAYS OF EXPOSURES

Acute toxicity	NA.
Site effects	The prolonged or repeated exposure can cause skin irritation
Sensitization	NA
Chronic toxicity	NA
Toxicologically synergic effects	Not available
Specific effects	NA.

SUBSTANCES THAT CAUSE EFFECTS

Additives	Not available
Potentialion	Not available

12. Ecological information:

Environmental effects, behavioral effects and impacts of the product	Its burning gives off toxic smoke, the solid residues are classified under class I (Sub-class 1.4)
Mobility	Not available
Persistence/degradability	Not available
Bioaccumulation	Not available
Expected behavior	Not determined
Environmental impact	Non-degradable solid product, which can persist for many years in the environment
Ecotoxicity	Not determined

13. Considerations regarding treatment and disposal:

METHODS AND TREATMENT AND DISPOSAL

Product	
Product remains	According to the current legislation. Do not dispose the materials in sewers or water bodies.
Used packing	According to the current legislation.

14. Information on transportation:

Product considered not dangerous for transport according to the current legislation

NATIONAL AND INTERNATIONAL REGULATION

DANGEROUS PRODUCT REGULATION

UN Number	NA
Appropriate name for shipment	Solid vulcanized rubber artifacts
Risk class	N.A.
Risk number	NA.
Packing group	NA.

15. Regulations:

Ordinance 204 – 05/20/1997 – classification and definition of the lass of dangerous products.

NBR14725 Standard

Portuguese legislation DL 63/ 2008

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16. Other Information:

This FISPO was prepared according to Portuguese legislation DL 63/ 2008

Product for exclusive industrial use

The information contained in this FISPO was researched and compiled from reliable sources, from MSDS of suppliers and from legislations applicable to the product.

The data of this FISPO refer to the specific product and are not valid when this product is being used in combination with other products..

Abbreviations and symbols used in this document:

N.A. – Not applicable

NR– Regulatory Standard

PCMSO – Occupational Health Medical Control Program

N.E:- Not specified

Elaborated on: Maio/2010

Revised on: 27/05/2010