



MATERIAL SAFETY DATA SHEET (MSDS)

(Under 2001/58/CE)

1. IDENTIFICATION OF THE SUBSTANCE/PREPARACION AND MANUFACTURER.

Product trade-name: NECALFLEX
Product code:
Manufacturer: P. I. de Erkimia
Avenida de Explosivos s/n
34880 - Guardo (Palencia)
Emergency phone: + 34 915 620 420

2. COMPOSITION / INFORMATION ON INGREDIENTS.

Rubber powder recovered from end of life of tyres by mechanical milling on ambient atmosphere.

COMPOSITION /COMPONENT	DESCRIPTION
Vulcanized rubber (%)	
Metal content (%)	< 0,10 % for rubber sizes bigger than 0,80 mm. < 0,01 % for rubber sizes equal or smaller than 0,80 mm.
Textil fiber content (%)	< 0,05
Other materials content (%)	< 0,05

3. HAZARDS IDENTIFICATION.

General description: Not classified under EC rules.

4. FIRST AID MEASURES.

Not considered to be a serious health hazard.

RENECAL - RECICLADO DE NEUMATICOS DE CASTILLA Y LEON, S.L.

Polígono Industrial de Erkimia, Avenida de Explosivos s/n - 34880 Guardo (Palencia)

T + 34 979 853 309 / 979 853 330 **F** + 34 979 852 218 **E** guardo@renecal.com **I** <http://www.renecal.com>

5. FIRE FIGHTING MEASURES.

Extinguishing media:	All of the usual extinguishing media are allowed.
Unsuitable extinguishing media:	High pressure jet of water.
Unusual fire / explosion hazards:	May emit toxic fumes in fire: carbon dioxide, carbon monoxide.
Special protective equipment:	Wear full protective equipment with self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES.

Accidental release not expected.

7. HANDLING AND STORAGE.

Handling:	No special precautions necessary.
Storage:	It should be according to ISO 2230. The storage accommodation should be cool, below 25° C, dry and moderately ventilated.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION.

General:	Use gloves and avoid contact with skin long time.
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9. PHYSICAL AND CHEMICAL PROPERTIES.

PHYSICAL PROPERTIES

Form	Solid, powder / crumb.
Colour	Black.
Odour	Rubber.
Bulk density (gr/cc)	0,40 - 0,50
Specific gravity	1,15 – 1,27
Humidity (%)	< 0,75
Combustion point (°C)	300 - 450

CHEMICAL PROPERTIES

Acetone extractables content (%)	5,00 – 22,00
Ash content (%)	7,00 – 11,00
NR/SR ratio (%)	70/30 – 60/40
Carbon black (%)	26,00 – 38,00
Natural rubber content (%)	10,00 – 35,00
Rubber hydrocarbon content (%)	57,00 - 58,00
Sulphur content (%)	1,0 – 7,00
pH value(25°C)	8,12 – 8,20
Solubility	Insoluble in water, partially soluble in acetone.

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10. STABILITY / REACTIVITY.

No special data on this product.

11. TOXICOLOGICAL INFORMATION.

No data available on this product. However evidence of many years use suggests that it does not require classification under EEUU law.

12. ECOLOGICAL INFORMATION.

Ecotoxicity:	Not hazardous solid material insoluble in water.
Biological degradation:	Degradation resistant.

13. DISPOSAL CONSIDERATIONS.

Product:	Incineration or landfill, always consult the relevant local authority before disposal.
Package:	After cleaning prepare for reuse.

14. TRANSPORT IDENTIFICATION.

Not hazardous according to Rn 3320 (2) GGVS.
ADR (94/55/EC).

15. REGULATORY INFORMATION.

EC label, not classified.

16. OTHER INFORMATIONS.

The information presented herein is true and accurate to the best of our knowledge, but without any guarantee unless explicitly given.

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