

MATERIAL SAFETY DATA SHEET
(EU/453/2010 - EC/1907/2006)
Ecorr® RBR

Date of issue: 27-05-2002
 Superseding date: 01-12-2010

Version: MSDS Ecorr® RBR-006
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1. Identification of the substance/preparation and manufacturer

Product Trade-name: **Ecorr® RBR (RBR70, RBR72)**
 Manufacturer: Rubber Resources B.V., Lage Frontweg 2a, 6219 PD Maastricht, The Netherlands
 Phone: +31 (0)43 329 04 44, Fax: +31 (0)43 325 71 91
 Emergency telephone: +31 43 329 03 37

Identified use: rubber compounds.
 Reach registration number: not available, exemption 2(7)(d) of Reach regulation EC/1907/2006.

2. Hazards identification

The product is classified as harmful according to Directive 1999/45/EC and its amendments.
 Risk phrase: R52/53, harmful to aquatic organism, may cause long-term adverse effects in the aquatic environment. No Hazardous Symbol or Pictogram is used.
 The product is classified according Regulation EC/1272/2008 as Aquatic Chronic Category 3.
 Hazard statement H412: harmful to aquatic life with long lasting effects. No Signal Word or Pictogram is used.

3. Composition / information on ingredients

Inner tube reclaim based on butyl polymer (CAS number 9010-85-9), polymer content: 50 - 58 %.

| Directive | Hazardous ingredients | CAS number | % | Hazardous symbol | Risk phrase |
|-----------|-----------------------|------------|-------|------------------|-------------|
| 67/548/EC | ZnO | 1314-13-2 | <2,5% | N | R50/53 |

| Regulation | Hazardous ingredients | CAS number | % | Classification | Signal Word | Hazard Statement |
|--------------|-----------------------|------------|-------|--------------------------------------|-------------|------------------|
| EC/1272/2008 | ZnO | 1314-13-2 | <2,5% | Aquatic Acute 1 Aquatic Chronic 1 | Warning | H400, H410 |

See Heading 16 for the full text of the used Hazardous symbols, Risk phrases and Hazard statements.

4. First aid measures

No special first aid procedure required. It is not likely that exposure results in serious symptoms.

5. Fire fighting measures

Extinguishing media: all of the usual extinguishing media are allowed.
 Unusual fire/explosion hazards: May emit toxic fumes in fire: carbon dioxide, carbon monoxide, sulphur dioxide.
 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: Storage 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.
 OSHA Permissible Exposure limit for ZnO; total dusts: 10 mg/m3, respirable fraction / fume: 5mg/m3.



Rubber Resources B.V.

Lage Frontweg 2a - 6219 PD Maastricht - The Netherlands - P.O. Box 437 - 6200 AK
 Maastricht - The Netherlands - Phone: +31 (0)43 329 04 44 - Fax: +31 (0)43 325 71 91
 E-Mail: info@rubber-resources.com - Bankrekening: Rabobank Maastricht 10.09.18.751
 IBAN: NL92RABO0100918751 - V.A.T.: NL005429432B05 - Trade register no.: 14633389



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9. Physical and chemical properties

* NA = not applicable; * UK = unknown

| | |
|---------------------------|--|
| Form | solid, slabs |
| Colour | black |
| Odour | reclaimed rubber |
| Melting point | NA* |
| Boiling point | NA* |
| Flash point | NA* |
| Auto-ignition temperature | UK* |
| Explosion limits | UK* |
| S.g. (20 °C) kg/m3 | 1100 - 1200 |
| pH-value | NA* |
| Solubility | insoluble in water; partially soluble in acetone |

10. Stability / reactivity

No special data on this product.

11. Toxicological information

No data available on this product. However evidence after many years use suggest that it does not require classification under EC law.

12. Ecological information

Ecotoxicity: not hazardous; solid material insoluble in water.
 Biological degradation: degradation resistant.
 Environmental effects of ZnO:
 1999/45/EC: harmful to aquatic organism, may cause long-term adverse effects in the aquatic environment. EC/1272/2008: harmful to aquatic life with long lasting effects.

13. Disposal considerations

Product: incineration or landfill; Always consult the relevant local authority before disposal.
 Package: after cleaning prepare for reuse.

14. Transport information

Not classified as hazardous according to ADR,RID/IMDG/ICAO/ADN.
 Contains the environmental hazardous substance ZnO in an amount < 2,5%.

15. Regulatory information

TSCA status: This product is in compliance with TSCA section 8b Inventory requirements.
 SARA Section 313 Supplier notification:

| Toxic Chemical | CAS Number | Concentration |
|----------------|------------|-----------------|
| ZnO | 1314-13-2 | <2,5% by weight |

Classification and labelling have been determined according to EU directives 67/548/EEC, 1999/45/EC and EC/1272/2008 (including amendments) and take into account the intended product use. Bulk quantities of this product do not require to be labelled.

16. Other information

The information presented herein is true and accurate to the best of our knowledge, but without any guarantee unless explicitly given.
 The used hazardous symbols, risk phrases and hazard statements:
 R52/53: harmful to aquatic organism, may cause long-term adverse effects in the aquatic environment,
 H412: harmful to aquatic life with long lasting effects.
 For ZnO: N - dangerous for the environment, R50/53 - very toxic to aquatic organism, may cause long-term adverse effects in the aquatic environment. H400, very toxic to aquatic life. H410, very toxic to aquatic life with long lasting effects.



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