Identification of the substance / preparation and company

1.1 Information on the product
Material: EPDM- and EPM-mouldings with or without ParCoat treatment
Tradename: All materials with code E....

1.2 Use of product
sealing

1.3 Information on producers:
Parker Hannifin GmbH, O-Ring Division Europe
D-74383 Pleidelsheim, Germany
Telephone: +49 (7144) 206-0
Fax: +49 (7144) 23749

1.4 Emergency call number:
Laboratory: +49 (7144) 206-2190

2. Hazard identification

2.1 Danger class
Hazard labelling not applicable.

2.2 Comment of danger for humans and environment
Not hazardous to health or environment when used appropriately.

3. Composition / information on ingredients

3.1 CAS-No.: n.a.

3.2 Chemical characterization
• Vulcanized rubber blend based on EPDM (ethylene-propylene-diene-rubber) according to ISO 1629 (1987). Rubber consists of propene-ethene-copolymer which may contain small amounts of ethylidene-norbonene and di-cyclopentadiene or hexadiene.
• Vulcanized rubber blend based on EPM (ethylene-propylene-rubber) according to ISO 1629 (1987). Rubber consists of propene-ethene-copolymer.

4. First aid measures

After ingestion: not applicable
After inhalation: not applicable
After eye contact: not applicable
After skin contact: no special measures necessary
Information for the medical professional: not applicable

5. Fire-fighting measures

5.1 Suitable extinguishing media: water spray jet, foam, CO₂, dry powder
5.2 Non suitable extinguishing media: not applicable
5.3 Procedure in case of fire:
In case of fires, hazardous combustion products are formed, e.g. carbon oxides and soot. In case of fire use self-contained breathing apparatus.
6. Accidental release measures

6.1 Protection measures for people: not applicable

6.2 Environmental protection measures: not applicable

6.3 Method for cleaning/uptake: Pick up mechanically and reuse if possible.

7. Handling and storage

7.1 Handling
No special measures necessary.

7.2 Storage
Storage of vulcanised rubber parts according to DIN 7716 or DIN 9088 is recommended.

8. Exposure controls / personal protection

8.1 Components with concentration limits for places of work: not applicable

8.2 Maximum allowable concentration: not applicable

8.3 Protection equipment:
Respiratory protection: No special measures necessary
Eye protection: No special measures necessary
Hand protection: No special measures necessary

9. Physical and chemical properties

9.1 Phenomenal characterization
Form: Rubber mouldings (e.g. gaskets)
Colour: black or coloured (depending on formula)
Odour: slightly characteristic

9.2 Safety relevant data
Density: 1.0 - 1.6 g/cm³ (depending on formula)
Vapour pressure: not applicable
Viscosity: not applicable
Solubility in water: insoluble
Soluble in: not applicable
pH-value: not applicable
Flashpoint: above 200°C
Ignition temperature: not determined
Explosion limits: not applicable

10. Stability and reactivity

10.1 Avoidable condition
Thermal disintegration: Thermal disintegration above 200°C.
Hazardous disintegration products: At temperatures above 200°C ignitable gases and vapours may be formed. In case of fire hazardous fumes may be formed.

10.2 Avoidable reactants
Hazardous reactions: No hazardous reactions observed.

11. Toxicological information
11.1 Toxicological examinations

11.1.1 acute toxicity: no information available
11.1.2 specific symptoms in animal experiments: no information available
11.1.3 causticity or irritation potential
   The product may contain traces of toxic monomers. Skin sensitization possible.

11.2 Practical experience

11.2.1 chronic effects: no information available

12. Ecological information

12.1 Information on elimination (degradability, persistence)
   no information available

12.2 Reaction in environmental compartments
   no information available

12.3. Other information
   not applicable

13. Disposal considerations

   In accordance with local authority regulations, take to waste incineration plant or dispose of on a household waste disposal site (waste code no. 57501 - rubber waste; Germany).

14. Transport information

   No dangerous good according to GGVS / GGVE / ADR / ADNR / IMDG / IATA / ICAO.

15. Regulatory information

   The product does not require hazard labelling in accordance with 67/548/EEC and 1999/45/EC.

16. Other information

   This Material Safety Data Sheet is a revised version. This information is based on our present state of knowledge. It may therefore not be understood as guaranteeing specific properties of the product described, or its suitability for a particular application.

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