

EPDM Couplings

Document Ref: SDS-001

May 2019

Issue: 4

1. Identification of the Substance/Preparation and Company:

Product Name:	EPDM Flexible Couplings
Application:	Generally used in pipe connection systems in plumbing, drain, Waste or sewers.
Company Details:	Flexseal Couplings Ltd, Endeavour Works, Newlands Way, Valley Park, Wombwell, Barnsley, S73 0UW
Contact Details:	Tel: +44(0)1226 340222
Operating Hours:	Mon-Thurs 8:30am-5pm, Friday 8:30am-4pm
Date SDS Prepared:	May 2019

2. Composition/Information on Ingredients:

Couplings are a finished article. Assembled from a moulded flexible EPDM compound material (*Ethylene propylene terpolymer & Ethylene propylene copolymer*) (Av 90%) and stainless steel bands (Av 10%). All additives are encapsulated within the material matrix and should present no hazard under normal conditions of use.

Hazardous Ingredients (specific): (EPMD & 316 Stainless Clamp)	%	CAS No:	Classification:
Mineral filler, silica or carbon black reinforced	-	-	-
Zinc oxide and stearic acid activation	-	-	-
Paraffinic oil plasticisation	-	-	-
Phenolic or amine derived antioxidants and antiozonants	-	-	-
Organic accelerators in combination with sulphur for conventional curing	-	-	-
Peroxides for sulphurless curing	-	-	-
Miscellaneous additives include pigments, resins, lubricants, process aids and activators	-	-	-
Carbon	0.007	7440-44-0	-
Silicon	0.1	7440-21-3	-

Manganese	0.2	7439-96-5	-
Phosphorus	0.0045	7723-14-0	-
Sulphur	0.0015	63705-05-5	-
Chromium	1.65	12082-46-1	-
Molybdenum	0.2	51733-17-6	-
Nickel	1	7440-02-0	-
Nitrogen	0.01	7727-37-9	-
Iron	6.827	7439-89-6	-

3. Hazards Identification:

Not classified as hazardous.

4. First Aid Measures:

Skin Contact:	No special precautions other than normal hygienic working practices.
Eye Contact:	No special precautions
Inhalation:	The product is not expected to present an inhalation hazard unless melted during fire. If fumes are inhaled, remove to fresh air and seek medical attention.
Ingestion:	Not applicable.

5. Fire-Fighting Measures:

For major fires call the fire brigade. Ensure that an escape path is available from any fire.

Suitable Extinguishing Media:	Foam, dry chemical, carbon dioxide or fine water spray
Unsuitable Extinguishing Media:	None known
Hazardous Combustion Products:	Decomposition and combustion products produce dense smoke containing toxic gases.
Fire Fighting Equipment:	Wear approved self-contained breathing apparatus and full protective clothing
Hazchem Code:	No code allocated

6. Accidental Release Measures:

Not applicable.

7. Handling and Storage:

No special provisions for handling or storage

8. Exposure Controls/Personal Protection:

Engineering Controls:	None required
Respiratory Protection:	Not required under normal conditions. In event of fire see section 5.
Eye Protection:	Not required.
Hand Protection:	Wear general industrial gloves

9. Physical and Chemical Properties:

Appearance:	Moulded flexible coupling typically coloured black or grey		
Physical state:	Solid	pH:	Not applicable
Odour:	Odourless	Specific Gravity:	1.2 – 1.38
Boiling Point:	Not applicable	Water Solubility:	Insoluble
Flash Point:	Not applicable	Vapor Pressure:	Negligible
Explosion Limits:	Not applicable	Melting Point:	Not applicable

10. Stability and Reactivity:

Chemical Stability:	Product is considered stable under normal conditions of use
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, hydrogen chloride may be formed during combustion.

11. Toxicological Information:

Toxicity:	None
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12. Ecological Information:

Ecotoxicity:	Not known
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13. Disposal Considerations:

Disposal methods and containers:	Can be disposed of by landfill in compliance with local and government regulations.
Special precautions for landfill or incineration:	Not recommended for disposal by incineration.

14. Transport Information:

Not regulated for transport of dangerous goods.

15. Regulatory Information:

Not regulated.