

## EPDM Couplings

Document Ref: SDS-001

May 2019

Issue: 4

### 1. Identification of the Substance/Preparation and Company:

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

<b>Hazardous Ingredients (specific): (EPMD &amp; 316 Stainless Clamp)</b>	<b>%</b>	<b>CAS No:</b>	<b>Classification:</b>
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:**

<b>Skin Contact:</b>	No special precautions other than normal hygienic working practices.
<b>Eye Contact:</b>	No special precautions
<b>Inhalation:</b>	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.
<b>Ingestion:</b>	Not applicable.

**5. Fire-Fighting Measures:**

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

<b>Suitable Extinguishing Media:</b>	Foam, dry chemical, carbon dioxide or fine water spray
<b>Unsuitable Extinguishing Media:</b>	None known
<b>Hazardous Combustion Products:</b>	Decomposition and combustion products produce dense smoke containing toxic gases.
<b>Fire Fighting Equipment:</b>	Wear approved self-contained breathing apparatus and full protective clothing
<b>Hazchem Code:</b>	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:**

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

**9. Physical and Chemical Properties:**

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

**10. Stability and Reactivity:**

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

**11. Toxicological Information:**

<b>Toxicity:</b>	None
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**12. Ecological Information:**

<b>Ecotoxicity:</b>	Not known
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**13. Disposal Considerations:**

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

**14. Transport Information:**

Not regulated for transport of dangerous goods.

**15. Regulatory Information:**

Not regulated.