

Safety Data Sheet

1.0 Product Identifier

Material Name – Metallic Ring Type Joints (RTJ's) – used in high pressure/temperature applications.

REACH Registration number – not applicable

1.2 Relevant uses – high pressure seals for use in applications that are restricted in area.

1.3 Details of the supplier –

Flexitallic UK Ltd, Scandinavia Mill, Hunsworth Lane, Cleckheaton, West Yorkshire, BD19 4LN

Phone number – 01274 851273 (not 24 hours) Emergency e-mail – enquiries@flexitallic.eu

1.4 Emergency telephone number - 01274 851273

2.0 Hazard identification

2.1 Classification of items within the product.

Metallic RTJ's are used in a wide variety of sealing applications. The environment in which it is to be used will determine the metal and that is required. However the ring joint itself is of solid metal and therefore does not come within the scope of the REACH regulations. A table of the metals used is given below – but this is not exclusive.

Material (Trade Name)	Identification	Material (Trade Name)	Identification
Soft Iron	D	Super Duplex	2507
Low Carbon Steel	S	Aluminium	AL 1050
F5	FS	Silver	Ag
SS 304	S304	Copper	Cu
SS 304 L	S304L	Brass	CuZn37(M563)
SS 309	S309	Nickel 200	Ni 200
SS 316	S316	Monel 400	400
SS 316L	S316L	Monel 600	600
SS 316TI	S316TI	Inconel 625	Ni Cr 22 Mo 9Mb
SS 321	S321	Inconel 800	X10 Ni Cr A1 Ti 3220
SS 347	S347	Inconel 825	Ni Cr 21 Mo
SS 410	S410	Hastalloy 82	Ni Mo 28
2545 MO	6Mo	Hastalloy C 276	Ni Mo 16Cr 15 W
Duplex	2205	Titanium	Ti 998

2.2 Label Elements

Not applicable to these products.

3.0 Other hazard information –

The materials used in the manufacture of these products do not present a hazard during their intended use.

The identification of these materials in section 2.1 is for information purposes only. More information is available on request.

3.1 Information on ingredients.

Materials used to produce these gaskets are listed in section 2.1 of this document.

Mixtures – not applicable to this material.

4.0 First aid measures

4.1 Description of first aid measures

General information – the materials used to produce this product do not present any risk to the user in the finished form.

Skin contact – NA

Eye contact – flush the eye(s) with clean water.

Ingestion – highly improbable.

4.2 Symptoms – NA

4.3 Indications of immediate medical attention being required – none.

5.0 Fire Fighting measures –

General – because of the nature of these items there is a negligible risk of fire.

5.1 Extinguishing media – none

5.2 Special hazards arising from the material – none.

5.3 Advise to fire fighters - none

6.0 Accidental release measures

- 6.1 Personal precautions etc. - none.
- 6.2 Environmental precautions – none.

7.0 Handling and storage

- 7.1 Gloves should be worn when handling these materials.
- 7.2 Conditions for safe storage - NA.

8.0 Exposure controls/personal protection

Not applicable to these products.

9.0 Physical Properties.

- 9.1 Physical state – solid.
- 9.2 Colour and appearance – NA
- 9.3 Odour threshold – NA
- 9.4 Vapour pressure – NA
- 9.5 Vapour density – NA
- 9.6 Evaporation rate – NA
- 9.7 Boiling point – NA
- 9.8 Freezing point – NA
- 9.9 pH – NA

10.0 Stability and reactivity

- 10.1 Reactivity – NA
- 10.2 Chemical stability – NA
- 10.3 Possibility of hazardous reactions – NA
- 10.4 Conditions to avoid – NA
- 10.5 Incompatible materials – do not store near solvents.
- 10.6 Hazardous decomposition products - NA

11.0 Toxicological Information.

Not applicable to these products

12.0 Ecological Information

- 12.1 Toxicity – NA
- 12.2 Persistence and degradability – NA
- 12.3 Bio accumulative potential – NA
- 12.4 Mobility in soil – NA
- 12.5 Results of PBT and vPvB assessment - NA
- 12.6 Other adverse effects – NA

13.0 Disposal considerations

- 13.1 All waste should be disposed of in accordance with the requirements of local regulations. Consideration should also be given to the potential for re-cycling or, if possible, by environmentally friendly routes.

14.0 Transport considerations

No special requirements

15.0 Regulatory information

- 15.1 Safety, Health and Environmental regulations – NA
- 15.2 Chemical safety assessment – NA

16.0 Other information

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Brief description of changes since the last version –

Development of the extended safety data sheet REACH annex II revision.

List of abbreviations – vPvB – very Persistent very Bioaccumulative

Issuing authority - Flexitallic Applications Engineering Department

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