1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION & THE COMPANY

1.1 Chemical Identification
Sigma 511

1.2 Application
A filled P.T.F.E gasket material intended for use as a sealing material between flanges, can be in the form of sheets or cut gaskets.

1.3 Company Identification
Flexitallic Ltd
Hunsworth Lane
Cleckheaton
West Yorkshire
BD19 4LN

Telephone No: 01274 851273
Fax No: 01274 300303
E-Mail: enquiries@flexitallic.eu

2: COMPOSITION / INFORMATION ON INGREDIENTS

2.1 Chemical Description
Superior performance biaxially orientated P.T.F.E sheet material with a silica filler.

2.2 Hazardous Ingredients

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3: HAZARD IDENTIFICATION
Do not inhale high temperature thermal decomposition products. Do not smoke in presence of P.T.F.E, contamination of tobacco products must be avoided.

4: FIRST AID MEASURES

4.1 Eye Contact
Wash eye with water.

4.2 Skin Contact
No known hazard in general use.

4.3 Ingestion
Unlikely to occur in general use.

4.4 Inhalation
In the product as supplied no significant health hazard.
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9: PHYSICAL / CHEMICAL PROPERTIES

9.1 Appearance  Pink coloured sheet or gasket.

9.2 Odour  Not applicable.

9.3 PH  Not applicable.

9.4 Boiling Point  Not applicable.

9.5 Melting Point  327-342 Deg C.

9.6 Flash Point  Not applicable.

9.7 Decomposition Temperature  > 300°C (degrees)

9.8 Explosive Properties  Not applicable.

9.9 Vapour Pressure  Not applicable.

9.10 Relative Density  2.2 g/cc

9.11 Solubility  Insoluble in water.

10: STABILITY AND REACTIVITY

10.1 Stability  Stable under recommended storage conditions.

10.2 Conditions to Avoid  Temperatures above 300 Deg C.

10.3 Materials to Avoid  Aluminium powder, strong oxidising agents and alkali metals.

10.4 Hazardous Decomposition Products  Hydrogen fluoride, carbonyl fluoride and fluorinated olefines.

11: TOXICOLOGICAL INFORMATION

11.1 Short Term Effects
Eye Contact  May cause irritation.
Skin Contact  No effect.
Ingestion  No effect.
11.1 **Inhalation**  High temperature thermal decomposition products may cause polymer fume fever with flu-like symptoms, symptoms usually occur after 2 hours and decline within the next 36 to 48 hours. No persistent or cumulative effects have been observed.

11.2 **Chronic Effects**

12: **ECOLOGICAL INFORMATION**

12.1 **LC50**  Not applicable.

12.2 **COD**  Not applicable.

12.3 **BOD**  Not applicable.

12.4 **Other**  Not applicable.

13: **DISPOSAL CONSIDERATIONS**

Bury on authorised landfill site or incinerate under approved controlled conditions. This product may be incinerated above 800 Deg C using a scrubber to remove Hydrogen Fluoride. Disposal should be in accordance with local, state or national legislation.

14: **TRANSPORT INFORMATION**

14.1 **Packaging**  Pack to prevent damage and liberation of any dust.

14.2 **Freight Classifications**  Not classified as dangerous goods.

   **ADR Number**  Not applicable.

   **IMDG Code**  Not applicable.

   **Packing Group**  Not applicable.

   **Trem Card**  Not applicable.

   **UN Number**  Not applicable.

15: **REGULATORY INFORMATION**

15.1 **CPL Classification**  Not applicable.

   **Hazard Pictogram**  Not applicable.
15.1 Risk Phrases
Not applicable.

Safety Phrases S21, S23, S41.

NOTE: This Data Sheet does not constitute a users assessment of workplace risk as required by HSW act, COSHH, Management of Health and Safety at Work regulations or other Health and Safety legislation.

16: OTHER INFORMATION

Text of any Risk Phrases/Safety Phrases listed in 15.1

S22 Do not breathe dust.

S35 This material and its container must be disposed of in a safe way.

S37 Wear suitable gloves.

Significant Contents:
Polytetrafluorethylene (PTFE)
Silica
Red Oxide (Pigment)

Further information and relevant advice can be found in:-

Health and Safety at Work Act 1974

The Control of Substances Hazardous to Health Regulations 1988

NOTE: The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.