

## Safety Data Sheet

### 1.0 Product Identifier

Material Name – SIGMA 533

REACH Registration number – not applicable

1.2 Relevant uses – P.T.F.E. Sheet Gasket Material

1.3 – Details of the supplier –

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

Phone number – 01274 851273

Emergency e-mail – [enquiries@flexitallic.eu](mailto:enquiries@flexitallic.eu)

1.4 Emergency telephone number - 01274 851273

### 2.0 Hazard identification

2.1 Classification of items within the mixture.

Regulation (EC) No 1272/2008 (CLP)	Hazard Statement
Polytetrafluoroethylene (PTFE)	Non-hazardous within the mixture
Barium Sulphate	Non-hazardous within the mixture

2.2 Label Elements - not applicable to these products.

2.3 Other hazard information: – although substances used in the manufacture of this sheet material can, prior to production, present hazards from ingestion etc. – when contained within the sheet materials they do not present a hazard in any form nor can they be released.

Do not inhale high temperature thermal decomposition products. Do not smoke in the presence of p.t.f.e. Contamination of tobacco products must be avoided.

### 3.0 – Information on ingredients.

3.1 – Ingredients within the mix used to produce this sheet are listed in section 2.1 of this document.

3.2 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 its encapsulated form. However when cutting operations are being carried out there is a low probability of dust or fume release.

In accordance with best practise the work should be carried out in a well-ventilated area or an engineering solution provided (Local Exhaust Ventilation – LEV). However if this is not possible then respiratory protection can be used.

Skin contact – always wash well after handling these products.

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

Ingestion – highly improbable.

4.2 Symptoms – some mild skin irritation can occur.

4.3 Indications of immediate medical attention being required – none.

#### 5.0 Fire Fighting measures –

General: – the material will burn with difficulty in a sustained fire situation but will tend to self-extinguish when the source of ignition is removed.

5.1 Extinguishing media: – Water or foam.

Dry chemical powder and carbon dioxide may also be used. In view of the comments in 'general' the source of the fire should be dealt with in accordance with requirements and the material will then self-extinguish.

5.2 Special hazards arising from the material:- very low level of irritant fumes and toxic gases.

5.3 Advise to fire fighters:- Wear self-contained BA and protective suit. Wear Neoprene™ gloves when handling refuse from fire.

#### 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:- none.

7.3 Specific end uses - refer to appropriate technical data sheet.

## 8.0 Exposure controls/personal protection

Not applicable to these products.

## 9.0 Physical Properties.

- Physical state – solid.
- Colour and appearance – white in colour, sheet material.
- Odour threshold – NA
- Vapour pressure – NA
- Vapour density – NA
- Evaporation rate – NA
- Boiling point – NA
- Freezing point – NA
- pH – NA
- Specific gravity – NA
- Coeff. Water/Oil Dist. – 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 – Alkali metals

10.6 Hazardous decomposition products - – Hydrogen fluoride, carbonyl fluoride and fluorinated olefins.

## 11.0 Toxicological Information.

11.1 Acute toxicity – NA

11.2 Skin corrosion/irritation – NA

11.3 Serious eye damage/irritation – NA

11.4 Respiratory or skin sensitisation – NA

11.5 Germ or mutagenicity – NA

11.6 Carcinogenicity – NA

11.7 Reproductive toxicity – NA

11.8 STOT – NA

11.9 Aspiration hazard – high temperature thermal decomposition may cause polymer fume fever with flu like symptoms. Symptoms usually occur after 2 hours and decline within 36 to 48 hours. No persistent cumulative effects have been observed.

## **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. These could include re-cycling or the use of waste in Refuse Derived Fuel plants.

## **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**

**Date This Document Was Created – Aug 2014**

**Date of issue – Sep 2014**



**Brief description of changes since the last version –**

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

Updated information

2.3 other hazard information – now includes statement ref inhale/smoke

5.3 Advise to fire fighters

10.5 Incompatible materials

10.6 Hazardous decomposition products

11.0 Toxicological information

**List of abbreviations** – vPvB – very Persistent very Bio accumulative

**Issuing authority** - Flexitallic Technical Engineering Department

**Total Pages - 5**