

SAFETY DATA SHEET

PTFE Thread seal tape



This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with the material, as well as describing potential risks to the consumer and the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of the material. This Safety Data Sheet is prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, and described in CLP Regulation (EC) No 1272/2008.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

PTFE Thread seal tape

1.2 Relevant identified uses of the substance or mixture and uses advised against

PTFE Thread seal tape to be used on threaded joints and suitable for potable water

1.3 Details of the supplier of the safety data sheet

Calmag (Yorkshire) Ltd
Riverview Buildings
Bradford Road, Riddlesden
Keighley
West Yorkshire
BD20 5LN
Tel: 01535 210320
Fax: 01535 210321
Email: sales@calmagltd.com
Web: www.calmagltd.com

1.4 Emergency telephone number

Tel: 01535 210320 (9.00am – 5.00pm Mon-Fri except Public Holidays)

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification in accordance with the Dangerous Preparations Directive 1999/EC

Not classified as hazardous

Classification in accordance with the Classification Labelling and Packaging Regulation EC (no) 1272/2008

Not classified as hazardous

2.2 Label elements

Labelling in accordance with the Dangerous Preparations Directive 1999/EC

No labelling required

2.3 Other hazards

None known.

SECTION 3: Composition**3.1 Substances**

Not applicable

3.2 Mixtures

A mixture of 100% PTFE resin

Name	CAS No	Concentration	Classification
PTFE resin	N/A	100%	Not classified as hazardous

See section 16 for full description of any R phrases and H statements.

SECTION 4: First Aid Measures**4.1 Description of first aid measures**

EYE CONTACT: No known effects. Seek medical attention if irritation persists.

INHALATION: No known effects. If breathing becomes difficult call a doctor.

SKIN CONTACT: No known effects. Seek medical attention if irritation persists.

INGESTION: No known effects. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

EYES: No known effects.

INHALATION: No known effects.

SKIN: No known effects.

INGESTION: No known effects.

4.3 Indication of any immediate medical attention and special treatments needed

No known effects.

SECTION 5: Firefighting Measures**5.1 Extinguishing media**Use dry chemicals, CO₂, water spray or alcohol-resistant foam.**5.2 Special hazards arising from the substance or mixture**

If involved in a fire, may release fumes.

Prevent entry of product and contaminated fire fighting water into streams and watercourses.

5.3 Advice for fire fighters

Fire fighters should wear protective clothing and breathing apparatus as appropriate.

Heat from fire can generate flammable vapour. Vapours may be heavier than air and may travel along the ground and flash back.

Keep containers cool using water spray to prevent pressure build up and rupture.

SECTION 6: Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures**

Remove all ignition sources. Wear protective clothing including gloves and eye protection. Open doors and windows to ensure good ventilation.

6.2 Environmental precautions

Prevent entry into sewers and watercourses.

6.3 Methods and materials for containment and clearing up

Do not wash into storm drains or watercourses.

6.4 References to other sections

See section 8 and 13 for further advice.

SECTION 7: Handling and Storage**7.1 Precautions for safe handling**

None known.

7.2 Conditions for safe storage, including any incompatibilities

Keep stored in a cool, well ventilated area. Keep only in original packaging.

7.3 Specific end uses(s)

No special precautions.

SECTION 8. Exposure Controls/Personal Protection**8.1 Control parameters**

No special control parameters.

8.2 Exposure controls

None usually required during normal handling. Do not eat, drink or smoke when handling this product. Wash hands thoroughly after handling,

Respiratory protection

Not usually required.

Hand Protection

Suitable gloves recommended for use if required. PVC or rubber may be suitable but glove manufacturer recommendations should always be checked. Change gloves in accordance with manufacturer recommendations. If gloves are damaged during use, remove immediately and wash hands before replacing with new gloves.

Eye protection

Safety glasses with side shields or goggles should be worn as precautionary.

Skin protection

Coveralls recommended. These should be changed after use or if contaminated. Wash before re-use.

Environmental exposure controls

Precautions should be taken to avoid accidental release to water courses.

SECTION 9: Physical and Chemical Properties**9.1 Information on basic physical and chemical properties**

Appearance:	White PTFE tape
Odour:	Virtually odourless
Odour threshold:	No data
Physical state:	Powder
Thickness:	0.05mm – 0.25mm
pH:	No data
Melting point:	330°C
Temperature range:	-190°C to 230°C
Elongation:	25% and over
Boiling point:	No data
Flashpoint:	No data
Evaporation rate:	No data
Flammability (solids/gases):	Not applicable
Upper/lower flammability limits:	Not applicable
Vapour pressure:	Not applicable
Vapour density	Not applicable
Density	0.20 g/cm ³ @ 20°C (68°F)
Tensile strength:	8N/mm ²
Specific gravity:	2.14 – 2.20g/cm ³
Solubility in water:	Non-soluble
Solubility in other solvents:	Not applicable
High pressure resistance:	150 – 200kg/mm ²
Partition coefficient (log K_{ow})	No data
Autoignition temperature	No data
Decomposition temperature	No data
Viscosity	No data
Explosive properties	Not classified as explosive
Oxidising properties	Not classified as oxidising

9.2 Other information

None

SECTION 10: Stability and Reactivity**10.1 Reactivity**

Not considered to be reactive.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Not applicable.

10.4 Conditions to avoid

Excessive heat.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

None expected under normal conditions of use.

SECTION 11: Toxicological Information**11.1 Information on toxicological effects**

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

- (a) **acute toxicity** Not expected to be acutely toxic.
- (b) **skin corrosion/irritation** Not expected to irritate the skin based on consideration of its components.
- (c) **serious eye damage/irritation** Not expected to be irritating to the eye based on consideration of its components.
- (d) **respiratory/skin sensitisation** Contains no components known to be sensitising.
- (e) **germ cell mutagenicity** Contains no components known to be germ cell mutagens.
- (f) **carcinogenicity** Contains no components known to be carcinogens.
- (g) **reproductive toxicity** Contains no components known to be reproductive toxins.
- (h) **STOT-single exposure** Contains no components known to cause specific target organ toxicity.
- (i) **STOT-repeated exposure** Contains no components known to cause specific target organ toxicity.
- (j) **aspiration hazard** The product is not expected to be an aspiration hazard.

SECTION 12: Ecological Information

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

12.1 Toxicity

Not expected to be toxic in the environment.

12.2 Persistence and degradability

No data.

12.3 Bioaccumulative potential

None of the components are considered to be bioaccumulative.

12.4 Mobility in soil

No data.

12.5 Results of PBT and vPvB assessment

No data.

12.6 Other adverse effects

None known.

SECTION 13: Disposal Considerations**13.1 Waste treatment methods**

Recover and recycle product if possible. If recovery and recycling are not possible incinerate or dispose of in accordance with local regulations.

Empty containers should be thoroughly rinsed with copious amounts of clean water. The rinse water can be used for makeup water for any necessary dilution of the concentrated product before use.

SECTION 14: Transport Information

Not classified as hazardous for transport.

14.1	UN Number	Not applicable	
14.2	UN Proper shipping name	Not applicable	
14.3	Transport hazard class(es)	Not applicable	
14.4	Packing group	Not applicable	
14.5	Environmental hazards	Not applicable	
14.6	Special precautions for user	None	
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not transported in bulk	

SECTION 15: Regulatory Information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

All components are listed as existing substances in Europe

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

SECTION 16: Other Information**Revision information:**

This is a new SDS

List of Abbreviations used in this SDS:

CLP	Classification, Labelling and Packaging Regulation (EC) no 1272/2008
DSD	Dangerous Substances Directive 67/548/EEC
DPD	Dangerous Preparations Directive 1999/45/EC
EC	European Community/Commission
PBT	Persistent, Bioaccumulative and Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) no 1907/2006
vPvB	very Persistent, very Bioaccumulative

R Phrases and H Statements used in Section 2 and/or 3

None

References:

Suppliers safety data sheet.

Method used for classification of mixtures:

Ingredient based approaches and expert judgment

Training requirements for workers

No special training requirements.