



**MATERIAL SAFETY DATA SHEET FOR
BOSS PERMANITE GT PTFE TREAD SEAL TAPE - 79024662**

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product type:	Thread Sealing Tape
Intended Use:	PTFE thread sealing tapes belong to the category of the products for the fluid seal on flanges and threads. The production of these articles occurs for warm stretching, in conditions of partial sinterization, of extrudes of polytetrafluoroethylene virgin raw polymer (PTFE).
Trade Name:	BOSS Permanite GT PTFE Thread Seal Tape
Supplier of product:	The BSS Group Ltd
Registered Office:	Travis Perkins PLC, Lodge Way House, Lodge Way, Harlestone Road, Northampton NN5 7UG.
Telephone/Fax Numbers:	0116 245 5500 / 0116 218 2214
E-mail Address	reception@bssgroup.com
Web site Address	www.bssindustrial.co.uk

2. HAZARD IDENTIFICATION

Adverse Effects and Main Risks	The water dispersed product is an inert polymer and no risk is expected for human health and the environment in its normal use. Some risks may be expected at temperature -350°C for emission of noxious compounds (HF and COF ₂) which are extremely corrosive and can cause severe burns that are not immediately visible The products of thermal decomposition are very dangerous in case of contact with eyes and skin or when inhaled; in this last case the symptoms do not occur until several hours after exposure.
Eye Contact:	Redness, irritation, burns
Skin Contact:	Redness, irritation, burns
Inhalation:	Headache, short breathing, coughing, chills and fever (polymer fume fever), tachycardia

3. COMPOSITION/INFORMATION ON INGREDIENTS.

Chemical Characteristics:	Tapes of various thickness in PTFE polymer 100% partially polymerized
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4. FIRST AID MEASURES

Eye:	Flush immediately and continuously with plenty of water for at least 15 minutes or until medical treatment is received. Seek medical advice.
Skin:	N/A
Inhalation:	In case of inhalation, of vapours from thermal decomposition speed of medical assistance is extremely important
Ingestion:	N/A



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5. FIRE FIGHTING MEASURES

Extinguishing Media:	Water, spray, water-fog, water-stream, CO ₂ , dry chemical foam, earth or sand.
Specific Hazards arising from the substance or mixture:	Possible risks are due to corrosive and toxic effects of by-products from the thermal decomposition (HF COF ₂)
Advice for firefighters:	Remove the product from the source of flame, if possible to do so in safe conditions. Keep containers cool by spraying with water when exposed to fire. Stay opposite the wind and at a safe distance from the flames. Wear self-contained breathing apparatus and skin protection to protect from HF vapours.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, protective equipment and emergency procedures:	The release of this product in working conditions is not dangerous for working people. Try to stop as soon as possible in safe conditions.
Environmental Precautions:	Avoid the uncontrollable release of the product in sewage system, in surface and underground water and in the soil.
Methods and material for containment and cleaning up:	Sweep and scoop out the released material. Dispose of in accordance with local laws and regulations.

7. HANDLING AND STORAGE:

Precautions for safe handling:	Avoid processing above the decomposing temperature (350°C) without adequate venting. Do not drink, eat or smoke during handling.
Conditions for safe storage:	Keep containers closed and keep away from heat, sparks and flames. Do not store near combustible, explosive and incompatible materials. Store in plastic containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls:	Only the limit threshold values (ACGIH+IH 1993/94) of the decomposition products are applicable. Hydrofluoric acid (HF) TLV/TWA= 2.6mg/m ³ Carbonilfluoride (COF ₂): TLV/TWA= 5.4mg/m ³
Precaution Measures:	Vent vapours from high-temperature processing. Do not breathe vapours from thermal decomposition
Personal Protective Clothing:	Clothing to be worn in case of fire or thermal decomposition: Respiratory Protection: safety goggles Hand Protection: rubber gloves Body Protection: work suit or rubber apron

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid
Colour:	White
Odour:	Odourless
Solubility:	Not soluble
Relative density:	(H ₂ O=1) from 2.14 to 2.18g/cm ³ at 23°C
Melting Point:	327-335°C
Flammability:	Not flammable
Explosively:	Not explosive



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10. STABILITY AND REACTIVITY

Stability:	Stable in normal conditions of use: Negligible decomposition starts above 250°C at temperatures above 350°C starts the emission of noxious compounds (HF and COF ₂)
Conditions:	Flames and high temperatures
Materials to Avoid:	The chemical reactivity is very low. Avoid contact with combustible materials and molten alkali metals
Decomposition Hazards:	The gaseous compounds generated by thermal decomposition of the products (HF and COF ₂) are very toxic and corrosive.

11. TOXICOLOGICAL INFORMATION

Eye:	N/A
Skin:	decomposition of product may cause burns
Inhalation:	Do not inhale decomposition vapours
Ingestion:	Do not ingest

12. ECOLOGICAL INFORMATION

Use the product according to the instructions, avoiding polluting the environment.	
Water Pollution:	Officially not classified, internal self-classification: generally not water endangering.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:	Dispose of in landfill according to local laws and regulations or destroy using high temperature incinerator designed to burn fluorine compounds.
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14. TRANSPORT INFORMATION

UN number:	Not assigned
UN proper shipping name:	Not assigned
Transport hazard class:	Not assigned
Packing group:	Not assigned

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP 4) Regulation (EC) No 1272/2008 (CLP Regulation) REACH Regulations 2006



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16. OTHER INFORMATION

General information:

This product should be used as directed.

Information Sources:

This safety data sheet was compiled using current information supplied by the manufacturer.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.