

MATERIAL SAFETY DATA SHEET

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1. SUBSTANCE IDENTIFICATION AND COMPANY INFORMATION

Product name: Uniflon ®
Product information: - Paste extruded Polytetrafluoroethylene- Natural thread sealant
- Installation aid
Products codes:
Use : Metal and plastic pipes thread sealant
Distributor: Unipak A/S
Address: Marktoften 3c
DK – 8464 Galten
Telephone: 0045 8626 1177
Fax: 0045 8626 0959
E-mail: sales@unipak.dk
Emergency telephone: 0045 8626 1177 (daytime)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Products</u>	<u>IngredientsComposition</u>	<u>CAS N°</u>
Thread sealant	Polytetrafluoroethylene (P.T.F.E.)100%	9002-84-0 (powdered form)
Installation aid	Anionic/non ionic surfactant	

Hazardous nature: Non hazardous
Hazard symbol: None

3. HAZARDS IDENTIFICATION

Nature of hazards Not regarded as a health or environmental hazard under current legislation.
When thermally decomposed, inhalation of the fumes may cause fever, breathing difficulties, cough and shivering.
Contamination of tobacco products with PTFE powder may cause effects similar to those above – known as Fume fever.

Risk Phrases None
Safety Phrases None

4. FIRST AID MEASURES

No first aid measures are needed in normal conditions.

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Eye contact	N/A
Skin contact	N/A
Inhalation	In case of inhalation of decomposition products, remove patient to fresh air, loosening clothing and seek medical attention.
Ingestion	N/A

5. FIREFIGHTING MEASURES

Suitable extinguishing:	Use media suitable for surrounding fire.
Under fire conditions:	In case of fire, avoid inhalation of combustion gases.
Emission Hazards:	Combustion gases are formed: Carbon monoxide Hydrogen fluoride Carbonyl fluoride Tetrafluoroethylene Hexafluoropropylene Perfluoroisobutylene
Protective equipment	Self-contained breathing apparatus with full facepiece and protective clothing
Further information	Fluoropolymers can rise the relative toxicity of the combustion gases formed.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	N/A
Environmental precautions	N/A
In case of Spillage:	Sweep up to avoid slippage
Waste Disposal:	Conform to all applicable regulations.

7. HANDLING AND STORAGE

Bulk quantities of PTFE polymers should be stored away from flammable materials and in well-ventilated areas. However in most situations, whether in storage or use, the quantity of material involved is small, and so no special measures should be taken. Provide suitable exhaust ventilation at machines when processing at elevated temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

No special protection by way of clothing or equipment is required to handle the product. However as in any industrial activity good hygiene and housekeeping practises should be applied. Provide temperature safety devices.

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9. PHYSICAL AND CHEMICAL PROPERTIES

	<u>PTFE Thread</u>	<u>Installation Aid</u>
Appearance:	Solid, thin, flexible thread	light yellow/green liquid
Colour:	White	
Odour:	None	
Ph:	N/A	6,8 ± 0,2
Viscosity:	N/A	
Melting Point:	330-345 °C	
Boiling Point:	N/A	
Solubility in H ₂ O:	Insoluble	
Solubility (other)	Insoluble in all common solvents	
Flash Point:	Does not flash	
Auto Ignition Temp.:	575 °C approx.	
Explosive properties:	N/A	
Oxidising properties:	N/A	
Relative density:	1.0 ± 0,1 (@ 20°C)	1,040 kg/dm ³
Vapor pressure:	N/A	

None of the substances in the Installation Aid are listed or classified as hazardous materials.

10. STABILITY AND REACTIVITY

Thermal decomposition: 260 °C continuous. Significant decomposition above 400°C
 Hazardous reactions: Essentially inert. Although the material reacts with alkali metals in fused or solution forms.
 Incompatible with elemental fluorine and interhalogen compounds at elevated temperatures and pressures (no reaction at room temperature and normal pressures).

11. TOXICOLOGICAL INFORMATION

General: According to experience the product is considered to be harmless to health if handled in the correct manner.
 Acute: Flu like transient sickness
 Chronic: Could be fatal
 Signs & Symptoms: Flu like fever
 Routes of Entry: a) Inhalation: high dust concentrations may be irritant to the upper respiratory tract.
 b) Eyes: mechanical irritation
 c) Skin: non irritating and non absorbing. may cause physical abrasion.
 d) Ingestion: inert when ingested by rats.
 Unlikely to be hazardous if swallowed.

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12. ECOLOGICAL INFORMATION

General: The product is insoluble in water, has very low volatility and has no harmful effect on the environment.

13. DISPOSAL CONSIDERATIONS

Method: Dispose of waste and residues in accordance with local authority requirements. May be buried on an authorised landfill site or incinerated above 800°C using a scrubber to remove hydrogen fluoride.

14. TRANSPORT INFORMATION

Transport in accordance with CDG-CPL/ADR for road, RID for rail, IMDG for sea and ICAO-IATA for air.

Not classified as hazardous for carriage under the above regulations.

UN-N°:	Not applicable	Proper shipping name:	_____
IMDG Class:	_____	Packaging group:	_____
EmS:	_____	MFAG:	_____
Subsidiary risk:	_____	Marine pollutant:	_____
ADR/RID Class	_____	ADR/RID Item:	_____
ICAO-IATA Class:	_____	Label name:	_____

15. REGULATORY INFORMATION

According to Directives 67/548/EEC and 1999/45/EC (Hazard Information and Packaging for

Supply) : Not applicable

Risk phrases: Not classified

Safety phrases: Not classified

16. OTHER INFORMATION

References This data sheet has been prepared in accordance with Directive 93/112/EC

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