Safety Data Sheet

In accordance with REACH Regulation (EC) no. 1907/2006

1. Identification of the substance/mixture and of the company/undertaking.

Produktidentificator: **PTFE Tape** **PR-no.:** Not notifiable

Relevant identified uses of the substance or mixture and uses advised against:
The product is used for sealing threaded joints.

Details of the supplier of the safety data sheet: **Producer:**

Company:	Unipak A/S Marktoften 3c 8464 Galten Denmark
Contactperson:	lve@eurofins.dk
Phone no. for emergencies**:**	+45 86 26 11 77 (Unipak, work hours) +45 82 12 12 12 (Bispebjerg hospital, Giftlinje (“Toxins Line”))
Date:	04.12.2012

2. Hazards identification

Classification of the substance or mixture:

The product is not classified as harmful with regard to the Danish Environment Ministry Directive no. 1075/2011.
The product is not covered by the rules for classification and labeling.
Long-term contact may have an irritant effect on contact with the eyes.

Labeling elements:

Labeling according to 1075/2011

Eurofins Product Testing A / S 4th of december 2012 estimated that the product should not be classified according to the Danish Environment Ministry Directive on classification, labeling etc.

Other hazards: None known.
PBT/vPvB: Components are not PBT/vPvB according to the criteria in REACH Annex XIII.

3. Composition/information on ingredients

Substances: -
Mixture:

Substance name	CAS-no.	EF-no.	Indeks-no.	Veight-%	REACH reg.-no.	Classification
Teflon:						
Polytetrafluorethylen	9002-84-0	-	-	>99	-	- **CLP*:** -
Installation aid*:						
Anionic/non ionic surfactant	-	-	-	-	-	- **CLP*:** -

CLP*: Europa-Parlamentets og rådets forordning (EF) nr. 1272/2008.
Installation aid*: None of the substances in the Installation Aid are listed or classified as hazardous materials.

4. First-aid measures

Description of first aid measures:

Inhalation:
Move to fresh air. If smoke from overheated product is inhaled, seek medical advice immediately.

Skin contact:
Wash the skin with soap and water. After washing, rub skin with a thick cream.

Eye contact:
Open the eye, rinse immediately with water or saline for at least 15 minutes. Remove contact lenses. If the irritation does not improve, seek medical advice.

Swallowing:
Avoid vomiting if possible. Rinse mouth thoroughly and drink plenty of water. In case of persistent discomfort, seek medical advice.

Most important symptoms and effects, both acute and delayed:
Prolonged contact with this product may cause irritation to skin and eyes.

Indication of any immediate medical attention and special treatment needed:
Not applicable.

5. Fire-fighting measures

Extinguishing media:

Water spray (never water jet - spreads the fire), CO_2, foam, sand or powder.

Special hazards arising from the substance or mixture:

The product is not flammable. Burning product produces toxic gases for example hydrogen fluoride, carbonyl fluoride, tetrafluoroethylene, hexafluoropropylene, several m. In case of fire the product may release smoke, which may cause Teflon flu, see. section 11

Advice for firefighters:

As far as possible remove the product from areas threatened by fire, or cool with water. Wear self-contained breathing apparatus for firefighting.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment - see section. 8

Environmental precautions:

Avoid discharge into drainage systems - see section. 12 At release to the external environment, contact the environmental authorities.

Methods and materials for containment and cleaning up:

Larger quantities should be handled as hazardous waste. Rinse thoroughly with water. Further handling of spillage - see section. 13

Reference to other sections:

See above.

7. Handling and storage

Precautions for safe handling:

Avoid contact with skin and eyes. The workplace must be well ventilated.

Conditions for safe storage, including any incompatibilities:

Store in tightly closed original container in a dry place.
Keep separate from food, feedstuffs, etc.

Fire hazard class: -

Specific use:

See application - section. 1

8. Exposure controls/personal protection

Control parameters:

The following notifiable ingredients have a threshold according to the notice of the limit values for substances and materials No 1134/2011:

None.

DNEL: No CSR.
PNEC: No CSR.

8. Exposure controls/personal protection

Exposure control:
Appropiate measures for exposure contol:

Personal protective equipment:
Inhalation: Respiratory protection is not normally required.
Skin: If skin contact can not be avoided, use protective gloves, for example. nitrile *).
*) It is important to note that there are many different types of gloves, why it is necessary to document the effectiveness with regard to the actual product.
Eyes: Not applicable as there can not come splashes from the product.
Measures to reduce environmental exposure:
Any residues and waste from production, must be collected and disposed of as mentioned in section. 13
Treatment and discharge of waste water shall be in accordance with local regulations.

9. Physical and chemical properties

Information on basic physical and chemical properties:

PTFE Thread

Appearance: White, solid flexible thread	Vapour pressure: -
Odour: -	Vapor Density: -
Odour threshold: -	Density: 1.0 ± 0,1 (at 20 °C)
pH:	Solubility in water: Insoluble
Melting point/freezingpoint: 330 - 345°C	Partition coefficient n-octanol/water: -
Initial boiling point and boiling range: -	Auto-ignition temperature: 575 °C approx..
Flash point: -	Decomposition temperature: -
Evaporation rate: -	Viscosity: -
Flammability: -	Explosive properties: -
Upper / lower flammability or explosive limits vol.%: -	Oxidizing properties: -
Other information: -	

Installation Aid

Appearance: light yellow/green liquid	Vapour pressure: -
Odour: -	Vapor Density: -
Odour threshold: -	Density: 1,040 kg/dm3
pH: 6,8 + 0,2	Solubility in water: Soluble
Melting point/freezingpoint: -	Partition coefficient n-octanol/water: -
Initial boiling point and boiling range: -	Auto-ignition temperature: -
Flash point: -	Decomposition temperature: -
Evaporation rate: -	Viscosity: -
Flammability: -	Explosive properties: -
Upper / lower flammability or explosive limits vol.%: -	Oxidizing properties: -
Other information: -	

-: Means no data or not applicable

10. Stability and reactivity

Reactivity:

Stable under normal conditions.

Chemical stability:

Stable under recommended storage conditions.

Possibility of hazardous reactions:

Stable under normal conditions.

Conditions to avoid:

None known.

Materials to avoid:

None known.

Hazardous decomposition products:

None known.

11. Toxicological information

Information on toxicological effects:

Likely routes of exposure: Skin, lungs and gastrointestinal tract.

Symptoms:

Inhalation:

Under normal circumstances, there are no symptoms if inhaled. Inhalation of dust may cause slight irritation. If polytetrafluoroethylene is overheated(> 300 ° C) smoke may be developed that can provide Teflon flu. Symptoms are flu-like with fever, headache, cough, nausea and vomiting. Symptoms often occur after 4-8 hours. If polytetrafluoroethylene is heated to over 450 °C, there may be severe lung damage if the smoke is inhaled.

Skin:

This product may cause irritation after repeated or prolonged contact with the skin.

Eyes:

This product may irritate the eyes.

Ingestion:

Ingestion may cause nausea and vomiting.

Long-term effects:

None known.

12. Ecological information

Toxicity:
There are insufficient data for an environmental classification of ingredients according to Danish Environment Ministry criteria.

Persistence and degradability:
No data available.

Bioaccumulative potential:
No data available.

Mobility in soil:
No data available.

Results of PBT and vPvB assessment:
Components are not PBT / vPvB according to the criteria in Reach Annex XIII.

Other adverse effects:
None known.

13. Disposal

Waste treatment methods:

This product is not considered hazardous waste. Use the municipal collection and removal system

Chemical Group:	**Waste fraction:**	**EAK code**:
x	05.00	20 03 01

14. Transport information

The product is not classified as hazardous with respect to transportation.
UN-number: -
UN proper shipping name:-
Transport hazard class (es): -
Packing group: -
Environmental hazards: None with respect to transport regulations
Special precautions for user: -
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:
Not applicable.

15. Regulatory information

Regulations / legislation specific for the substance or mixture with respect to safety, health and environment:
None.

Chemical Safety assessment:
No CSA.

16. Other information

Hazard Phrases referred to under sections 2, 3 and 16:

None.

Abbreviations:

At = Arbejdstilsynet (The Danish Working Environment Authority)
CMR = Carcinogenitet, mutagenicitet og reproduktionstoksicitet
CSA = Chemical Safety Assesment
CSR = Chemical Safety Report
DNEL = Derived No-Effect level
EC_{50} = Effect Concentration 50%
LC_{50} = Lethal Concentration 50%
LD_{50} = Lethal Dose 50%
PBT= Persistent, Bioaccumulative, Toxic
PNEC = Predicted No-Effect Concentration
vPvB = very Persistent, very Bioaccumulative

Litteratur:

C&L Inventory database = Industrial list
IUCLID = International Uniform ChemicaL Database Information
ECHA = European Chemical Agency

Training advice/instruction:

The product should only be used by persons well instructed in the proper work procedure and who are familiar with the contents of this safety data sheet.

Additional information:

The safety data sheet is prepared according to REACH Regulation (EC) No. 1907/2006.
The safety data sheet is updated. Latest version: 27.09.2009. Original version 30.08.2007.

Changes since the previous version: Item 1-16.

Classification of the substance or mixture according to CLP *:

The product is not classified as hazardous under CLP.
The product is not covered by the rules for classification and labeling.
This product may cause irritation after repeated or prolonged contact with skin and eyes.

CLP *: European Parliament and Council Regulation (EC) No 1272/2008

Label elements:

Labelling according to CLP (1272/2008)

Eurofins Product Testing A/S on the 4th of November 2012 assessed that the product should not be classified by the European Parliament and Council Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures (CLP).

Other hazards: No known.

PBT/vPvB: Components are not PBT/vPvB according to the criteria in REACH Annex XIII.

Prepared by : Eurofins Product Testing A/S, Smedeskovvej 38, 8464 Galten, tlf.: 70 22 42 76, fax 70 22 42 75