


PTFE (virgin)				
Material Safety Data Sheet	Compound	PTFE	Rev. 0	
	Designation	PTFE	01-2015	
<i>NOTE: This Material is a fully sintered polymer and will not release any products unless under fire or extended heat..</i>				

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	PTFE (Teflon)
SYNONYMS:	PolyTetraFluorEthylene
PRODUCT CODES:	
MANUFACTURER:	M seals A/S
DIVISION:	
ADDRESS:	Bybjergvej 13 , 3060 Esbjerg
EMERGENCY PHONE:	+45 19130205
CHEMICAL NAME:	PTFE
CHEMICAL FAMILY:	PolyTetraFluorEthylene
PRODUCT USE:	O-rings, gaskets etc.
SECTION 1 NOTES:	This MSDS is based on a fully sintered polymer and will not release any substances during normal use.


2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient:	% weight:	CAS No.	Hazard class*:	Risk phrase*:
PolyTetraFluorEthylene	100	9002-84-0	Not applicable	Not applicable

***Hazard class & Risk phrase**
 These columns are only completed for ingredients which is classified as hazardous and is present in a sufficient concentration to make the overall substance hazardous.

3. HAZARDS IDENTIFICATION

These products when handled according to good working and hygienic practices are not dangerous to human health and the environment. However, degradation by chemicals, aging, heat or fire may produce a toxic and/or corrosive residue depending on the circumstances of degradation and other materials involved.


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4. FIRST AID MEASURES	
Eyes:	No effects requiring first aid are expected during normal use. However, if small particles enter the eye, flush with sterile water. If irritation persists seek medical attention. For contact with hot product flush with cold water for 15 min. and seek medical attention.
Skin:	No effects requiring first aid are expected during normal use. After contact with skin wash with soap and water. For contact with hot product flush with cold water for 15 min. and seek medical attention.
INGESTION:	No effects requiring first aid are expected during normal use.
INHALATION:	No effects requiring first aid are expected during normal use. If exposed to fumes from thermal (+260°C) decomposition products, remove patient to fresh air. If breathing problems occur seek immediate medical attention. Avoid smoking and contamination of tobacco products.
Other:	Advice to physician: inhalation of fumes will cause "polymer-fume-fever" Symptoms are chills, fever, headache, shortness of breath and coughing.

5. FIRE-FIGHTING MEASURES	
Extinguishing media:	Water spray, dry powder, carbon dioxide and foam
Fire and explosion hazard:	Hazardous decomposition products resulting from overheating or combustion:
Special protection equipment:	Inhalation of fumes must be avoided. Fire fighters should wear a self-contained breathing apparatus which meets appropriate standards operated in positive pressure mode, and full turnout gear. Wear adequate skin protection to protect from thermal combustion products.

6. ACCIDENTAL RELEASE MEASURES	
No material specific actions are required. Collect the spilled material and reuse or dispose as in section 13.	

7. SAFETY PRECAUTIONS HANDLING AND STORAGE	
Handling:	No special precautions required. Above 260°C some decomposition of PTFE products can be expected which are toxic if inhaled. Keep away from ignition sources. Do not smoke while handling.
Storage:	No special requirements


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8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
Engineering measures::	Not required under conditions of normal use
Respiratory protection:	Not required under conditions of normal use
Hand and skin protection:	Not required under conditions of normal use
Eye protection:	Not required under conditions of normal use Wear safety glasses during machining.
Other protection:	Not required under conditions of normal use
Work hygiene:	Do not eat or smoke when handling. Wash hands after handling.
EXPOSURE GUIDELINES:	Not required under conditions of normal use

9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance:	White plastic
Odour:	Odourless
Physical state:	Solid
Solubility in water:	Insoluble
Flash point:	Do not flash
Melting point:	Approximately 327°C
Freezing point:	N.A.
Vapor pressure (mmHg):	N.A.
Specific gravity :	2 to 2,2 g/cm ³

10. STABILITY AND REACTIVITY	
Stability:	Stable under normal conditions
Thermal decomposition:	Above 260°C
Hazardous decomposition:	Thermal decomposition will involve hydrofluoric acid, carbonyl fluoride and other perfluoroolefins.

11. TOXICOLOGICAL INFORMATION	
General:	No potential health hazards when used within processing guidelines. Fluoropolymers are physiologically inert and are considered non toxic.

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12. ECOLOGICAL INFORMATION
No known harmful effects on the environment.

13. DISPOSAL CONSIDERATIONS
Disposal at approved landfill site. Disposal must be in accordance with local authority and national regulations. Uncontaminated material can be recycled.

14. TRANSPORT INFORMATION
The product is not classified as dangerous under transport regulations.

15. REGULATORY INFORMATION
This product has been classified in accordance with the dangerous substances directive.
Classified as dangerous: No
Risk Phrases: Not applicable
Safety phrases: Not applicable
Symbols: None

16. OTHER INFORMATION
OTHER INFORMATION: None
DISCLAIMER: The information contained herein is based on our state of knowledge on the day of issue. It is the duty of the enduser to ensure that this information is sufficient and complete with respect to the intended use.

Date: _____

Sign: _____