

# MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE	May 21, 1993
REVISED DATE	April 14, 2011
TRADE NAME	Teflon
CHEMICAL FAMILY	PFA
CHEMICAL FORMULA	Tetrafluoroethylene - Perfluoro (Propyl Vinyl Ether) Copolymer (TFE-PPVE Copolymer)
<b>SECTION II - HAZARDOUS INGREDIENTS</b>	
HAZARDOUS COMPONENTS	
<b>SECTION III - PHYSICAL DATA</b>	
BOILING POINT (F)	
FREEZING POINT (F)	
VOLATILITY / VOLUME (%)	N/A
MELTING POINT	302 - 310° or 576-590°F
VAPOR PRESSURE (mmHg)	
VAPOR DENSITY (Air=1)	
SOLUBILITY IN H <sub>2</sub> O	Insoluble
APPEARANCE / ODOR	Translucent with no odor
SPECIFIC GRAVITY (H <sub>2</sub> O=1)	2.1 - 2.2
ACIDITY	
<b>SECTION IV- FIRE AND EXPLOSION HAZARD DATA</b>	
FLASH POINT	Does not flash
LOWER FLAME POINT	
HIGHER FLAME POINT	
EXTINGUISH MEDIA FOR FIRE	Water, foam, dry chemical, CO <sub>2</sub> Wear self-contained breathing apparatus and clothing
UNUSUAL FIRE HAZARD	
<b>SECTION V- HEALTH HAZARD DATA</b>	
HEALTH HAZARD	
THRESHOLD LIMIT VALUE OVER EXPOSURE EFFECTS	
<b>SECTION VI - REACTIVITY DATA</b>	
CHEMICAL STABILITY	Stable
CONDITIONS TO AVOID	



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<b>SECTION VI - REACTIVITY DATA - CONTINUED</b>	
INCOMPATIBLE MATERIALS	
DECOMPOSITION PRODUCTS	Heating above 300°C or 572°F may cause evolution of particular mater. Hydrogen fluoride and carbonyl fluoride may be evolve at about 400°C or 750°F
HAZARDOUS POLYMERIZATIONS	
POLYMERIZATION AVOID	
<b>SECTION VII - SPILL OR LEAK PROCEDURE</b>	
FOR SPILL	Sweep up
WASTE DISPOSAL METHOD	Recycle (preferred), landfill or incineration
<b>SPECIAL VIII - SPECIAL PROTECTION</b>	
RESPIRATORY PROTECTION	Not required if local exhaust ventilation is adequate
VENTILATION	Use local exhaust to completely remove vapors and fumes liberated durning hot processing from the work area
PROTECTIVE GLOVES	
EYE PROTECTION	Wear Safety
OTHER PROTECTIVE EQUIPMENT	
HANDLING AND STORAGE	
<b>SECTION IX - SPECIAL PRECAUTIONS</b>	
HAZARD CLASS	
DOT SHIPPING NAME	
REPORTABLE QUANITY (RQ)	
UN NUMBER NA#	
NA#	
PACKAGING SIZE	

**Notes:**

All information recommendations and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources. It is the user's responsibility to determine the Safety, Toxicity and suitability of his/her own use, handling and disposal request. Since actual use by others is beyond our control, no warranty, expresses or implied, is made by Polymer Plastics Company L.C. as to effects of such use. The results to be obtained or the safety and toxicity of the product, nor does Polymer Plastics Company L.C. assume any liability arising out of use by others of the product referred to herein. The data in this MSDS relate only to the specific material designated herein and do not relate to use in combination with any other material or in any other process.

**REFERENCES:** N/A = Not Applicable, N/D = Not Determined, N.D.A. = No Date Available



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