

# MATERIAL SAFETY DATA SHEET

## TEFLON-ETFE

EFFECTIVE DATE	December 31, 1996
REVISED DATE	April 14, 2011
TRADE NAME	Teflon
CHEMICAL FAMILY	ETFE
CHEMICAL FORMUA	Tetrafluoroethylene-Ethylene Copolymer
<b>SECTION II - HAZARDOUS INGREDIENTS</b>	
HAZARDOUS COMPONENTS	Not known to contain toxic chemicals
<b>SECTION III - PHYSICAL DATA</b>	
BOILING POINT (F)	
FREEZING POINT (F)	
VOLATILITY / VOLUME (%)	
MELTING POINT	255 - 280°C or 491 - 536°F
VAPOR PRESSURE (mmHg)	
VAPOR DENSITY (Air=1)	
SOLUBILITY IN H2O	Insoluble
APPEARANCE / ODOR	Off-White Translucent and odorless
SPECIFIC GRAVITY (H2O=1)	1.7
ACIDITY	
<b>SECTION IV- FIRE AND EXPLOSION HAZARD DATA</b>	
FLASH POINT	470°C (878°F)
LOWER FLAME POINT	
HIGHER FLAME POINT	
EXTINGUISH MEDIA FOR FIRE	Water, foam, dry chemical, CO2 Wear self-contained breathing apparatus. Wear full protective equipment.
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	Extended overheating



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<b>SECTION VI - REACTIVITY DATA - CONTINUED</b>	
INCOMPATIBLE MATERIALS	Incompatible with finely divided metal powder and potent oxidizers like fluorine
DECOMPOSITION PRODUCTS	Hydrogen Fluoride at about 350°C or 662°F
HAZARDOUS POLYMERIZATIONS	
POLYMERIZATION AVOID	
<b>SECTION VII - SPILL OR LEAK PROCEDURE</b>	
FOR SPILL	Shovel or sweep up.
WASTE DISPOSAL METHOD	Recycle (preferred), landfill and incineration
<b>SPECIAL VIII - SPECIAL PROTECTION</b>	
RESPIRATORY PROTECTION	Use a positive pressure air supplied respirator if temperatures exceed 662°F or 350°C and ventilation is inadequate.
VENTILATION	
PROTECTIVE GLOVES	
EYE PROTECTION	Wear safety glasses
OTHER PROTECTIVE EQUIPMENT	
HANDLING AND STORAGE	
<b>SECTION IX - SPECIAL PRECAUTIONS</b>	
HAZARD CLASS	
DOT SHIPPING NAME	
REPORTABLE QUANTITY (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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