

## 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

### SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	Not known to contain toxic chemicals

### SECTION III - PHYSICAL DATA

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	

### SECTION IV- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	470°C (878°F)
LOWER FLAME POINT	
HIGHER FLAME POINT	
EXTINGUISH MEDIA	Water, foam, dry chemical, CO2
FOR FIRE	Wear self-contained breathing apparatus. Wear full protective equipment.
UNUSUAL FIRE HAZARD	

### SECTION V- HEALTH HAZARD DATA

HEALTH HAZARD	

THRESHOLD LIMIT VALUE  
OVER EXPOSURE EFFECTS

### SECTION VI - REACTIVITY DATA

CHEMICAL STABILITY	Stable
CONDITIONS TO AVOID	Extended overheating

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### SECTION VI - REACTIVITY DATA - CONTINUED

#### 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

### SECTION VII - SPILL OR LEAK PROCEDURE

#### FOR SPILL

Shovel or sweep up.

#### WASTE DISPOSAL METHOD

Recycle (preferred), landfill and incineration

### SPECIAL VIII - SPECIAL PROTECTION

#### RESPIRATORY PROTECTION

Use a positive pressure air supplied respirator if temperatures exceed 662°F or 350°C and ventilation is inadequate.

#### VENTILATION

#### PROTECTIVE GLOVES

Wear safety glasses

#### EYE PROTECTION

#### OTHER PROTECTIVE EQUIPMENT

#### HANDLING AND STORAGE

### SECTION IX - SPECIAL PRECAUTIONS

#### 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