



TFE™



# Pipe Thread Sealant w/PTFE

www.antiseize.comom

## Product Description

TFE™ is our premium grade, non-hardening, heavy-duty pipe thread sealant which is loaded with PTFE materials to give a positive seal with less effort. These PTFE particles pack the joint to fill thread imperfections and provides leak-proof joints that seal for the life of the connection and also allow the joint to be easily disassembled years later.

TFE™ is recommended for pipe threads carrying water, steam, LP and natural gas, refrigerants, solvents, caustics, dilute acids, oils, and diesel fuel. TFE™ is a very popular thread sealant used by many Sprinkler installers and has UL approval for Sprinkler systems. Withstands temperatures to 500°F (260°C) and pressures to 10,000 psi (Liquid), 2,000 psi (gas).

**UL Classified 0** to 10 less hazardous than paraffin oil in respect to fire hazard. For use in handling gasoline, petroleum oils, natural gas (pressure not over 100 psig) and propane not exceeding 2 inch Pipe size.

**UL Classified 0** to 10 less hazardous than paraffin oil in respect to fire hazard. For use in joining and sealing threaded sprinkler systems and water spray system piping not exceeding 2 in. Pipe size containing air, nitrogen, water or propylene glycol or glycerol antifreeze solutions.

**NSF Registration #128341**, Rating P1 category, Sealant for Food Zone .

## Features & Benefits

- Heavy-duty sealant
- Contains no solvents, no dry time
- Non-staining, non-corrosive, non-hardening, non-toxic
- Non-dripping, can be applied to newly cut hot threads
- Self-lubricating
- UL Classified and NSF Registered
- UL Classified for fire protection sprinkler systems
- Prevents corrosion, seizing and galling
- Allows for adjustments after joint assembly

## Applications include

All Pipe and Threaded Connections made of Cast Iron, Malleable, Brass, Copper, and Stainless Steel for water, steam, LP and natural gas, refrigerants, fuel oils, hydraulic oil, diluted acids and caustics. TFE is designed for use by all pipe fitters, fabricators, plumbers, and mechanical contractors.

## Typical Properties

Property	Value
Temperature Range	-50°F to +500°F (-46° to +260°C)
Pressure Range	Liquids to 10,000psi Gases to 2,000 psi
Color	Off White
Flash Point	>350°F
Specific Gravity	1.48
Weight Per Gallon	12.5 LB/gal
Viscosity	1,600,000 - 1,800,000 cps. Spindle #6 @ 1 rpm @ 25°C - Brookfield Model Hat
Toxicity	Non-Toxic
Consistency	Soft and Semi-Granular
RoHS	Compliant

## Cautions

This product is not recommended for use in an oxygen system and not as a sealant for chlorine or other strong oxidizing materials. Read all information on labels and Safety Data Sheets prior to use. All products should be tested and evaluated for a particular purpose prior to use.

## GHS compliant

<b>GHS Panel</b> <b>Classified as Non-Hazardous under</b> <b>HazCom 2012(OSHA GHS)</b> <b>Read SDS for additional information</b>
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## Storage and Shelf Life

TFE™ should be stored in closed containers when not in use. Optimal storage is at ambient temperatures or lower. Shelf Life should be 5 years or longer if stored properly. Keep away from heat and open flame

## Product Limited Warranty

This information is based on information we believe to be reliable and accurate, but no guarantee of its accuracy is made for a particular application. We urge and recommend that Users pretest their application prior to incorporating the product into use and assume that the User will conduct such testing. Also see warranty statement on website.

## Available In:

**Size: 2oz BT 3oz tube 1/4pt BT 6oz tube 1/2pt BT 1pt can**  
P/N: 14002 14003 14005 14008 14012 14016

**Size: 1pt BT 1qt 1qt BT 1gal can 5gal pail 55gal drum.**  
P/N: 14018 14025 14026 14030 14050 14055

**24-3oz Tube Counter Display, 12 -1/2 Pint Counter Display**  
14003A 14012A

BT= Brush Top