



MULTIPURPOSE THREAD SEALANT WITH PTFE

DESCRIPTION

TFW™ Anti-Seize Thread Sealant with PTFE is a nonhardening, nontoxic sealant for sealing and protecting threaded connections. Its low coefficient of friction allows tight makeup with low torque and breaks out easily without damaging threads.

TFW provides sealing performance upon application and is specifically formulated to seal threaded connections against leakage due to internal pressure.

TFW contains no lead or harmful metals and is perfectly safe for use on potable water line. **TFW** is listed under the Uniform Plumbing Code (IAPMO), File No. 1282. **TFW** conforms to Federal Specification TT-S-1732 and the requirements of British Standard 6920: Parts 1 & 2.

- Nonhardening
- Contains PTFE. Seals upon application.
- For use with potable water and a wide range of other products, including liquids and gases.
- Contains no lead or harmful metals.
- Nontoxic
- Lubricates threads to allow tighter joint makeup
- Nonstaining
- Available in arctic grade

APPLICATIONS

TFW may be used on steel, aluminum, brass, copper, iron, reinforced fiberglass, PVC, CPVC and ABS threaded connections. **TFW** has been tested and found compatible by BF Goodrich for CPVC fittings and pipe. **TFW** is recommended for threaded pipe carrying:

Acids, Dilute	Caustics, Dilute	Helium, Gaseous
Natural Gas	Air	Cool Tar Naphtha
Hydraulic Oil	Nitrogen, Gaseous	Ammonia
Cutting Oils	Inert Gases	Petroleum Solvents
Kerosene	Aliphatic Solvents	Fatty Acids (liquid)
Steam	Brine	Heating Oils
LP Gases	Vegetable Oils	CO ₂
Freons	Mineral Oils	Water

PRODUCT CHARACTERISTICS

Fluid Type	Synthetic
Color/Appearance	White Grainy Paste
Dropping Point (ASTM D-566)	Not Applicable
Specific Gravity	1.20
Density (lb/gal)	10.0
Oil Separation	<5.0
Wt. % Loss @ 212°F (100°C)	
Flash Point (ASTM D-92)	>350°F (177°C)
Nonvolatile Content	100%
Viscosity, Brookfield (ASTM D-2196)	
#7 Spindle, 5 rpm @ 77°F (25°C)	160,000-260,000 cps
Brushable To	0°F (-18°C)
Copper Strip Corrosion (ASTM D-4048)	1A
Service Rating:	
Temperatures to:	500°F (260°C)
Pressures to:	10,000 psi liquids 2,000 psi gases

NOT FOR USE ON OXYGEN LINES.

PACKAGING

Code No.	Container Size	Container
24055	¼ pt.	Brush Top Can
24002	½ pt.	Brush Top Can
24004	1 pt.	Brush Top Can
24007	1 qt.	Plug Top Can
24023	1 gal.	Pail
24015	5 gal.	Pail

LIMITED WARRANTY

Jet-Lube, Inc. makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube, Inc. materials and workmanship.

This Limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of Jet-Lube, Inc.

The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube, Inc. shall not be liable for incidental or consequential damages.

CORPORATE LOCATIONS

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Edmonton, Canada

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JET-LUBE, INC.

MATERIAL SAFETY DATA SHEET

Product Name: TFW™
Chemical Family: Synthetic based lubricating sealant
Use: Pipe thread sealant.

Manufacturer/Supplier: JET-LUBE, INC.
Address: 4849 Homestead Rd., Ste. #200
 Houston, TX, 77028 USA **Phone:** 713-674-7617
Emergency Phone: 713-674-7617 **Fax:** 713-678-4604
Chemtrec 24 hours (USA): 800-424-9300

Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Nonhazardous Blend	9003296/68037014 9002840/1332587 12003382/14807966 13463677/68953582	60-100	UN	UN	UN

Main Hazards—Health Effects

Eyes: May cause irritation. **Inhalation:** Viscous nature may block breathing passages if inhaled. **Ingestion:** May cause diarrhea.
Skin: Possible rash for persons with hypersensitivity.

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help. **Inhalation:** Clear air passage. If respiratory difficulty continues, seek medical help. **Ingestion:** Wash out mouth immediately. Consult physician. **Skin:** Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse.

Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist.

Unsuitable Extinguishing Media: Water jet. **Protective Equipment for Fire fighting:** Self-contained breathing apparatus.

Personal Precautions: None required. **Environmental Precautions:** Do not allow it to enter drains.

Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

Handling: No special handling precautions necessary. **Storage:** Do not store at elevated temperatures.

Respiratory Protection: None needed.

Hand Protection: Nitrile gloves for hypersensitive persons.

Eye Protection: Glasses, if applied to parts in motion.

Body Protection: Overalls.

Physical State: Semisolid fibrous paste **Color:** Off White **Odor:** Mild **pH:** Neutral **Boiling Range/Point °F (°C):** >600 (316)

Melting Point °F (°C): None **Flash Point (COC) °F (°C):** >350 (177) **Autoignition Temperature °F (°C):** >500 (260)

Explosive Properties: LEL: UN **UEL:** UN **Evaporation Rate (Butyl Acetate):** <0.01 **Partition Coefficient (Log Pow):** N/A

Vapor Pressure (kPa): <0.01 **Percent Volatiles:** Nil **Density (g/cm³):** 1.20 **Flammability:** Not flammable at ambient temperature.

OAR Value: N/A (no volatiles) **Oxidizing Properties:** None **Water Solubility:** Not Soluble **Vapor Density:** >5

Stability: Chemically stable under normal conditions. No photoreactive agents. **Conditions to Avoid:** Powerful sources of ignition & extreme temperatures.

Materials to Avoid: Strong inorganic & organic acids, oxidizing agents.

Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon & nitrogen, and halogenated, possibly corrosive gases. Residue mainly comprised of soot & mineral oxides.

Acute Toxicity: Not known.

Irritancy—Skin: Very mild.

Skin Sensitization: Not known.

Subacute/Sub-chronic Toxicity: Not known.

Genotoxicity: None known.

Chronic Toxicity: None known.

California Prop 65: N/A

Carcinogen: NTP: No **IARC:** No **OSHA:** No

EC Class (67/548/EEC): No

Allergens: None known.

LC-50: >4000 mg/kg (extrapolated from component data)

LD-50: N/A

Possible Effects: Unlikely to act as a marine pollutant.

Behavior: Relatively well behaved. Bioaccumulation potential nil.

Environmental Fate: Highly unlikely to cause notable contamination. Nontoxic to marine or land organisms.

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice.

Container Disposal: Pails without liner—see Product Disposal section above. Pails with plastic liner—pail may only be disposed of via standard waste disposal services, recycled or reused. Liner—see Product Disposal section above.

Not classified as hazardous for transport. **D.O.T.:** Nonhazardous **UN No.:** Nonhazardous **Air Transport (ICAO & IATA):** Nonhazardous

Sea Transport (IMO & IMDG): Nonhazardous

Road & Rail Transport (ADR/RID): Nonhazardous

Labeling Information: None needed

EC Annex 1 Classification: N/A

R Phrases: R22—harmful if swallowed.

S Phrases: N/A, as known.

Ozone Depleting Chemicals: N/A

TSCA: All components are listed.

WHMIS (Canada): Not controlled.

Canadian DSL: All components listed.

TSCA 12B Components: None


40 CFR Part 372 (SARA Section 313): N/A

CERCLA: Nonhazardous

RCRA Hazard Class: Nonhazardous

SARA 311/312: None

SDS first issued. SDS data revised. **New Jersey Right To Know:** See Section II

Signature: 
Prepared by: Donald A. Oldiges
Date Issued: September 1, 2006

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LEGEND	
I.	IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY
II.	COMPOSITION INFORMATION ON INGREDIENTS
III.	HAZARDS IDENTIFICATION
IV.	FIRST AID MEASURES
V.	FIRE FIGHTING MEASURES
VI.	ACCIDENTAL RELEASE MEASURES
VII.	HANDLING AND STORAGE
VIII.	EXPOSURE CONTROL/PERSONAL PROTECTION
IX.	PHYSICAL AND CHEMICAL PROPERTIES
X.	STABILITY AND REACTIVITY
XI.	TOXICOLOGICAL INFORMATION
XII.	ECOLOGICAL INFORMATION
XIII.	WASTE DISPOSAL
XIV.	TRANSPORT INFORMATION
XV.	REGULATORY INFORMATION
XVI.	OTHER INFORMATION

HMIS SYMBOL

HEALTH	0
FLAMMABILITY	1
REACTIVITY	0
PPI	B

NFPA SYMBOL

