

EZY-TURN® #3

VALVE SEALANT

DESCRIPTION

EZY-TURN® #3 Plug and Gate Valve Sealant is specifically designed for use where light hydrocarbon liquids and gases are present, making it the sealant of choice for pipeline and compressor station usage. Easily pumpable to temperatures as low as 0°F (-18°C) with high pressure lubrication.

Formulated from a blend of vegetable oils and molybdenum disulfide (MoS₂) as a solid lubricant, **EZY-TURN #3** is resistant to all aliphatic hydrocarbons. Lowers torque necessary for smooth valve operation and protects internal surfaces from scoring and galling. **EZY-TURN #3** is also available in an arctic grade that chemically couples the solvent resistant fluid base of **EZY-TURN #3** with the low temperature properties of silicone fluid. For more information on arctic grade **EZY-TURN #3**, call for its bulletin.

- Vegetable Oil Base
- Nontoxic
- Color: Grey/Black
- Contains Moly
- Reduces Torque
- Stops Leaks
- Prevents Corrosion
- Biodegradable
- Stops Scoring, Galling
- Pumpable
- Nonhazardous

APPLICATIONS

EZY-TURN #3 Plug Valve Sealant is ideal for any plug valve application requiring aliphatic liquid and gas resistance. Ideal for pipeline and compressor station operation.

Also available in Arctic Grade.

SERVICE RECOMMENDATIONS

- Aliphatic Hydrocarbons
- Butane
- Natural Gas
- LPG
- Hot Gases
- Propane
- Fuel Oil

TEMPERATURE RANGE

0°F (-18°C) to 500°F (260°C)

Recommended Cleanup: Although conventional solvents like methanol, ethanol, IPA, chlorinated solvent, aromatic solvents, acetone and other ketones can be utilized, **JET-LUBE®** recommends its **EZY-OPEN™** or other safe oxygenated solvents. **EZY-OPEN** is a nontoxic, nonflammable, biodegradable lubricant and cleanser specifically designed for valve cleaning applications. It contains no components listed as federal hazardous wastes.

PRODUCT CHARACTERISTICS

Appearance	
Bulk	Grey/Black Paste
Stick	Grey/Black Semi-Plastic
Cone Penetration (ASTM D-217)	
Bulk	220 - 250
Stick	70 - 110
Density (lb/gal) Typical	
Bulk	8.56
Stick	8.85
Specific Gravity, Typical	
Bulk	1.03
Stick	1.06
Dropping Point (ASTM D-2265)	
Bulk & Stick	None
Oil Separation (FTMS 791.B M.321.2) (ASTM D-6184)	
Bulk	3.0 max
Stick	1.0 max
Thickener	
Bulk & Stick	Inorganic
Flash Point (ASTM D-92) °F (°C)	
Bulk & Stick	>400°F (204°C)
Temperature Range	
Bulk & Stick	0°F (-18°C) to 500°F (260°C)
pH Range	
Bulk & Stick	5 - 9

NOTE: Not for use with oxygen or strong oxidizers such as hydrogen peroxide or sulfuric acid.

PACKAGING

Code No.	Net Wgt./Type	Unit Size
93050	14 oz.	14 oz. Cartridge
93080	B	3/8 x 1½
93083	C	7/16 x 2-1/8
93084	D	½ x 2¼
93085	G	5/8 x 3½
93086	H	7/8 x 4½
93081	J	1-3/8 x 8½
93082	K	1½ x 10½
93022	10 lb.	5 qt. can
93016	40 lb.	5 gal.
93024	120 lb.	15 gal.
93029	400 lb.	50 gal.

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

Houston, Texas—World Headquarters

Maidenhead, England

Edmonton, Canada

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www.jetlube.com

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JET-LUBE, INC.

MATERIAL SAFETY DATA SHEET

I

Product Name: EZY-TURN® #3
Chemical Family: Synthetic based lubricating grease
Use: Valve lubricant and 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

II

Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Nonhazardous Blend	68187848/8001794 7631869/1317335 112945525/7789755 57556	100	UN	UN	STEL: UN

III

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.

IV

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.

V

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.

VI

Personal Precautions: Wear gloves & protective overalls. **Environmental Precautions:** Nonhazardous **Spillage:** Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

VII

Handling: Do not allow it to enter drains (it may clog drain) **Storage:** Do not store at elevated temperatures.

VIII

Respiratory Protection: None needed. **Hand Protection:** Protective gloves for hypersensitive persons. **Eye Protection:** Glasses, if applied to parts in motion. **Body Protection:** Overalls.

IX

Physical State: Semisolid paste **Color:** Grey/Black **Odor:** Mild **pH:** Neutral **Boiling Range/Point °F (°C):** >600 (316)
Melting Point °F (°C): None **Flash Point (COC) °F (°C):** >500 (260) **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 **% Volatiles:** Nil **Density (g/cm³):** 1.06 ± .07 **Flammability:** Not flammable at ambient temperature.
OAR Value: N/A **Oxidizing Properties:** None **Water Solubility:** Not soluble **Vapor Density:** >5

X

Stability: Chemically stable under normal conditions. No photoreactive agents. **Conditions to Avoid:** Powerful sources of ignition & extreme temps. **Materials to Avoid:** Strong inorganic & organic acids, oxidizing agents. **Hazardous Decomposition Products:** Burning generates smoke, airborne soot, hydrocarbons & oxides of carbon, sulfur and nitrogen. Residue mainly comprised of soot & mineral oxides.

XI

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 Classification (67/548/EEC): No **Allergens:** None known. **LC-50:** >4000mg/kg—extrapolated from component data. **LD-50:** N/A

XII

Possible Effects: May generate fractions that are unlikely to act as marine pollutants.
Behavior: Relatively well behaved. Bioaccumulation almost nil.
Environmental Fate: Highly unlikely to cause notable contamination. Nontoxic to marine or land organisms.

XIII

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.

XIV


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

XV

Labeling Information: None needed **EC Annex 1 Classification:** Not Applicable. **R Phrases:** R22—harmful if swallowed.
S Phrases: None applicable, as known. **Ozone Depleting Chemicals:** Not applicable. **TSCA:** All components are listed.
WHMIS (Canada): Not controlled **Canadian DSL:** All components listed. **40 CFR Part 372 (SARA Section 313):** N/A
CERCLA: Nonhazardous **RCRA Hazard Class:** Nonhazardous **SARA 311/312:** None **TSCA 12B Components:** None

XVI

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

Signature: 
Prepared by: Donald A. Oldiges
Date Issued: October 20, 2005

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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	

NFPA SYMBOL

