

# EZY-TURN® #4

## GATE VALVE SEALANT

### DESCRIPTION

**EZY-TURN® #4** Gate Valve Sealant is formulated from food-grade polyester base fluids that provide increased resistance to aliphatic hydrocarbons. When compared with the standard vegetable products, **EZY-TURN #4** has superior performance characteristics in both low and high-temperature applications. Lubrication and sealing is enhanced by the addition of molybdenum disulfide, which effectively burnishes into scratches, renewing the surface.

**EZY-TURN #4** is ideal for applications requiring maximum hydrocarbon resistance and is pumpable with a high-pressure lubricator. **EZY-TURN #4** remains pumpable at -40°F (-40°C) while retaining its firm consistency at 500°F (260°C) inside a valve where oxygen contact is avoided. Excellent resistance to water and aqueous solutions, but not recommended for steam or highly alkaline service. Contains H<sub>2</sub>S inhibitors for longer service-ability in sour gas service.

- Polyester Based Fluids
- Color: Grey/Black
- Contains Moly
- Nontoxic
- Water Resistant
- Heat Resistant
- Multipurpose
- Reduced Torque
- Nonhazardous
- Biodegradable

### APPLICATIONS

**Oilfield:** Gate valve sealant for use where aliphatic hydrocarbon resistance is required or where high and low temperature extremes are encountered.

**Industrial:** Refinery, power plant, petrochemical or industrial gate valve sealant use.

**Marine:** All gate valve usage.

### SERVICE RECOMMENDATIONS

- Gasoline
- Fuel Oils
- Crude
- Water
- Liquid & Gaseous Aliphatic Hydrocarbons
- Kerosene
- Jet Fuel
- Natural Gas
- Aqueous Solutions

### TEMPERATURE RANGE

-40°F (-40°C) to 500°F (260°C)

**Recommended Cleanup:** Although conventional solvents like methanol, ethanol, IPA, chlorinated solvents, 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

Corrosivity, Nace Std TM-01-69 <5.66 mil/year  
 Oxidation Stability <5 psi drop, 168 hrs.  
 Water Solubility Nil

#### Appearance

Bulk Grey/Black Paste  
 Stick Black Semi Paste

#### Penetration (ASTM D-217), mm x 10<sup>3</sup>, unworked

Bulk 225 - 245  
 Stick 100 - 130

#### Density (lb/gal) Typical

Bulk 9.26  
 Stick 11.0

#### Specific Gravity Typical

Bulk 1.11  
 Stick 1.32

#### Dropping Point (ASTM D-2265)

Bulk & Stick None

#### Oil Separation (FTMS 791.B M.321.2) (ASTM D-6184)

Bulk 2.0 max  
 Stick 1.0 max

#### Flash Point (ASTM D-92) °F (°C)

Bulk & Stick >500 (260)

#### Temperature Range °F (°C)

Bulk & Stick -40 (-40) to 500 (260)

#### pH Range

Bulk & Stick 2 - 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
92080	B	3/8 x 1½
92081	J	1-1/4 x 8½
92082	K	1-3/8 x 10½
92083	C	7/16 x 2¼
92022	10 lb.	5 qt. can
92016	40 lb.	5 gal.
92024	120 lb.	15 gal.
92029	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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VALVE

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# JET-LUBE, INC.

## MATERIAL SAFETY DATA SHEET

<b>I</b> <b>Product Name:</b> EZY-TURN® #4 <b>Chemical Family:</b> Synthetic based sealant <b>Use:</b> Valve sealant.	<b>Manufacturer/Supplier:</b> JET-LUBE, INC. <b>Address:</b> 4849 Homestead Rd., Ste. #200 Houston, TX, 77028 USA <b>Phone:</b> 713-674-7617 <b>Emergency Phone:</b> 713-674-7617 <b>Fax:</b> 713-678-4604 <b>Chemtrec 24 hours (USA):</b> 800-424-9300
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Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Nonhazardous Blend	29408671/103242	100	UN	UN	STEL: UN
	68441667/27178161				
	122623/112945525/1317335				

**II**

**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:** 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):** 1.11 **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/l—extrapolated from component data. **LD-50:** N/A


**XII**  
**Possible Effects:** May generate fractions that are not likely 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:** May 13, 2005

As of issue date, the information contained herein is accurate and reliable to the best of JET-LUBE'S knowledge. JET-LUBE® does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

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**

