

EZY-TURN® H₂S

GATE VALVE SEALANT

DESCRIPTION

EZY-TURN® H₂S is a premium gate valve sealant formulated from a unique blend of vegetable and synthetic oils thickened with silica to provide maximum resistance to hydrogen sulfide and hydrocarbon fluids to temperatures as high as 350°F (177°C). This black, tacky compound is extremely adhesive to all metal surfaces while being both waterproof and corrosion resistant.

EZY-TURN #H₂S is injected into the gate valve by a high pressure lubricator at temperatures as low as 0°F (-18°C) to protect the precision gate from scoring or galling while significantly reducing torque requirements for normal operation.

- Synthetic
- Nontoxic
- Color: Grey/Black
- Tacky Finish
- Biodegradable
- H₂S Resistant
- Hydrocarbon Resistant
- Reduces Torque
- Pumpable
- Corrosion Resistant
- Waterproof
- Very Adhesive
- Nonhazardous

APPLICATIONS

EZY-TURN H₂S Gate Valve Sealant is recommended for use in gate valves where contact with sour crude or gas is expected. Excellent for use with aliphatic hydrocarbons such as diesel fuel.

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.

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

PRODUCT CHARACTERISTICS

Appearance	Sticky Grey/Black Gel w/Pugent Odor
Cone Penetration, mm x 10 ⁻¹ (ASTM D-217)	320 - 360
Density (lbs./gal.), Typical	8.84
Specific Gravity, Typical	1.06
Dropping Point, °F (°C) (ASTM D-2265)	None
Oil Separation Wt. % (FTMS 791.B M 321.2) (ASTM D-6184)	5.0 Max.
Thickener	Inorganic
Flash Point, °F (°C) (ASTM D-92)	>400 (204)
pH Range	3 - 9

SERVICE RECOMMENDATIONS

- Acid Solutions
- Diesel Fuel
- Hydrocarbon Gases & Liquids
- Sour Gas & Crude
- Water

TEMPERATURE RANGE

0°F (-18°C) to 500°F (260°C)

FOR TEMPERATURES LOWER THAN 0°F (-18°C) USE
JET-LUBE® EZY-TURN® POLAR
GATE VALVE SEALANT

PACKAGING

Code No.	Net Wgt./Type	Unit Size
91022	10 lb.	5 qt. can
91016	40 lb.	5 gal.
91024	120 lb.	15 gal.
91029	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

VALVE

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JET-LUBE, INC.

MATERIAL SAFETY DATA SHEET

Product Name: EZY-TURN® H ₂ S 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
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Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Nonhazardous Blend	29408671/8001794 66071123/1317335 68611449/110305	100	UN	UN	STEL: 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: 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.

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

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

Physical State: Semisolid paste **Color:** Grey to Black **Odor:** Mild **pH:** Neutral **Boiling Range/Point °F (°C):** >600 (316)
Melting Point °F (°C): None **Flash Point (COC) °F (°C):** >400 (204) **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 **Flammability:** Not flammable at ambient temperature.
OAR Value: N/A **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 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.

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

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 noticeable 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:** 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

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

Signature: 
Prepared by: Donald A. Oldiges
Date Issued: January 19, 2004

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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

FIRE		
0	1	0
TOXICITY		
REACTIVITY		
N/A		

PERSONAL PROTECTION INDEX