

JET-LOK[®] HP-45

HIGH PRESSURE SEALANT

Medium Viscosity Sealant for Fittings up to 2"

DESCRIPTION

Pneumatic & Hydraulic Sealant is a fast curing, high strength anaerobic sealant that seals hydraulic and pneumatic fittings up to 2" in diameter, resisting high pressures and vibration loosening. This product has excellent solvent resistance and withstands temperatures to 300°F (148°C).

APPLICATIONS

Typical applications are hydraulic and pneumatic fittings, servo-mechanisms, and fine-filtration systems.

GUIDELINES

Where cure speed is extended due to low temperatures or inactive surfaces, appropriate activators may be used. Best results are found if High Pressure Sealant is applied to 2nd or 3rd threadform. Excess can be wiped away, any migration into lines will not solidify and can be flushed away upon activation of the equipment.

PROPERTIES

Fast cure to fixture usually under 30 minutes. Temperature range: -65°F (-54°C) to <300°F (148°C). Typical strength: 2,000-3,000 psi.

TECHNICAL FEATURES

Resin Type	Methacrylate
Color	Brown to Purple
Cure Speed with Activator	<30 minutes
Cure Speed w/o Activator	4 hours
Viscosity (Thixotropic)	12,000 - 16,000 cps
Gap Fill	N/A
Flash Point	>200°F (93°C)
Shelf Life	12 months
Specific Gravity	1.0
Operating Temperature	-65°F (-54°C) to 300°F (148°C)

CURED PERFORMANCE

Full Cure Time	24 hours
Maximum Pressure	10,000 psi

HEALTH & SAFETY IN USE

IRRITANT: Contains Methacrylate Esters which may irritate the eyes, respiratory organs and skin. In case of contact with the skin, wash immediately with plenty of soap and water.

PACKAGING

Code No.	Container Size
57966	50 ml

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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ANAEROBICS

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JET-LUBE, INC.

MATERIAL SAFETY DATA SHEET

I **Product Name:** JET-LOK® HP-45 **Manufacturer/Supplier:** JET-LUBE, INC.
Chemical Family: Acrylate adhesives **Address:** 4849 Homestead Rd., Ste. #200
Use: Retaining compound for fasteners 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		CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Hazardous Components						
Nonhazardous Blend		25852475	60-100	UN	UN	UN
Saccharin		613489/80159 81072	1-4	UN	UN	UN

III **Main Hazards—Health Effects**
Eyes: Will cause irritation. **Inhalation:** May irritate breathing passages if inhaled.
Ingestion: May cause diarrhea. **Skin:** Possible rash for persons with hypersensitivity.

IV **Eyes:** Flush with water until all residue material is gone. Call physician.
Inhalation: Remove to fresh air. If respiratory difficulty continues, seek medical help.
Ingestion: Wash out mouth immediately. Consult physician.
Skin: Wash thoroughly with hand cleanser, followed by soap and 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:** 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.

VII **Handling:** Avoid contact with skin, strong adhesive
Storage: Do not store at elevated temperatures. Store at temperatures below 85°F (29°C) to preserve storage life.

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:** Liquid **Color:** Purple **Odor:** Mild Organic **pH:** Neutral **Boiling Range/Point °F (°C):** >400 (204)
Melting Point °F (°C): N/A **Flash Point (COC) °F (°C):** >150 (66) **Autoignition Temperature °F (°C):** >500 (260)
Explosive Properties: LEL: UN UEL: UN **Evaporation Rate (Butyl Acetate):** <0.01 **Partition Coefficient (Log Pow):** UN
Vapor Pressure (kPa): 10 **Percent Volatiles:** 23 **Density (g/cm³):** 1.10 **Flammability:** Not flammable at ambient temperature.
OAR Value: N/A (no volatiles) **Oxidizing Properties:** None **Water Solubility:** Slight **Vapor Density:** >5

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

XI **Acute Toxicity:** Not known. **Irritancy—Skin:** Mild (adhesive) **Skin Sensitization:** Not known. **Chronic Toxicity:** None known.
Subacute/Sub-chronic Toxicity: Not known. **Genotoxicity:** None known. **California Prop 65:** Saccharin (carcinogen)
Carcinogen: Saccharin **NTP:** Removed 1998 **IARC:** 2B Not classified as human carcinogen (1999) **OSHA:** No
EC Class (67/548/EEC): UN **Allergens:** None known. **LC-50:** >5000mg/kg (extrapolated from component data) **LD-50:** N/A


XII **Possible Effects:** None **Behavior:** Relatively well behaved. Bioaccumulation potential 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:** N/A **R Phrases:** R22—harmful if swallowed (could block passages)
S Phrases: S-3, keep cool **Ozone Depleting Chemicals:** N/A **TSCA:** All components are listed. **SARA 311/312:** Report above 5000 lbs.
WHMIS (Canada): Not controlled. **Canadian DSL:** All components listed. **40 CFR Part 372 (SARA Section 313):** Contains cumene hydroperoxide. **CERCLA RQ:** 200 lbs. **RCRA Hazard Class:** Contains U096 @ 2-5% **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: November 11, 2005

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LEGEND

- I. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY
- II. COMPOSITION INFORMATION ON INGREDIENTS
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HMIS SYMBOL

HEALTH	1
FLAMMABILITY	1
REACTIVITY	1
PPI	NA

NFPA SYMBOL

FIRE

1	1
1	1
1	1
1	1

TOXICITY REACTIVITY

PERSONAL PROTECTION INDEX