

JET-LUBE 5000™

WATER BASED CLEANER AND DEGREASER

DESCRIPTION

JET-LUBE 5000™ is a water-based cleaner/degreaser that uniquely combines nonhazardous cleaning agents with newly-developed emulsifying technology to provide a product that can effectively remove carbon, grease, oil, and other organic deposits while being both environmentally safe and ozone friendly. **JET-LUBE 5000** is tomorrow's answer to today's cleaning problems - totally effective yet safe for our environment and atmosphere. Use full strength for maximum results in shortest time.

Biodegradable	Noncaustic	Noncombustible
Noncorrosive	Nonflammable	Nonfuming
Nontoxic	pH Balanced	Water Soluble
NSF Registered		

JET-LUBE 5000 contains no 1:1:1 Trichloroethane, Fluorocarbons or SARA Title III, Section 313, Part 372-listed ingredients and contains no acids, alkalies, chlorides, ethylene glycol ethers, phosphates, or TTO's (Total Toxic Organic Compounds). EPA 624 and 625 test results are available upon request.

JET-LUBE 5000 is the safest and most effective cleaner/degreaser available and can be used for heavy duty parts degreasing, pressure washing, steam cleaning, ultrasound cleaning, or simply by brushing or spraying and then rinsing with water or wiping clean. **JET-LUBE 5000** is safe on all metal parts and most plastics.

APPLICATIONS

Automotive	Food Processing	Metal Fabrication
Aviation	Industrial	Residential
Electronics	Marine	Utilities

DILUTION RATIOS

JET-LUBE 5000 may be diluted with ordinary tap water or salt water (with reduced affect). Dilution ratios will vary greatly depending on the amount of buildup, temperature and speed required to complete the job. Suggested dilution ratios of water to **JET-LUBE 5000**:

DILUTE	EQUIPMENT	CLEANING
J-L 5000 to water 1:4	Dip Tanks	Tools, Parts, Food Process Equipment, Presses, Aviation
1:3 - 5	Parts Washer	Engines, Exhaust Hoods, Fork Lifts, Graffiti, Marine
1:20+	Pressure Washer	Cleaning Parts, Floors and General Purpose
1:20+	Steam Cleaner	Engines, Parts, Etc.
1:10+	Ultrasound	For Cleaning Electrical Parts Etc.
1:25+	Trigger Sprayers, Pumps	General Purpose Cleaning and Facility Maintenance

RINSE AND WIPE DRY - TEST FOR COLOR FASTNESS

PRODUCT CHARACTERISTICS

Specific Gravity	1.0
pH	7-8
Viscosity (Cps)	4.5
Flash Point (PMCC Closed Cup) (ASTM D93)	None to 212°F
Auto Ignition Point	None to 500°F
Vapor Pressure @ 20°C	Composite <.04
Evaporation Rate (Butyl Acetate = 1)	>1
Vapor Density (Air = 1)	>1
Boiling Point	212°F (100°C)
Freezing Point	28°F
Volatile Organic Compounds (VOC) SCAQMD Rules 1171, 1122	None

- NSF (A1, B2 & C1) Reg. (#048229) for Federally Inspected Facilities
- Meets or exceeds Boeing D6-17487, Rev. J
- Meets or exceeds Douglas CSD #1, Reissued 3/24/89
- Meets or exceeds AMS 1526B (Aircraft Exteriors)
- Meets or exceeds EPA 624 and 625 requirements

PACKAGING

Code No.	Container Size	Container
71043	16 oz.	Spray Bottle
71033	1 gal.	Jug
71035	5 gal.	Jug
71029	50 gal.	Drum

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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INDUSTRIAL

JET-LUBE, INC.

MATERIAL SAFETY DATA SHEET

Product Name: JET-LUBE 5000™
Chemical Family: Surfactant solution
Use: Cleaning and degreasing of equipment, floors, fabrics, etc.

Manufacturer/Supplier: JET-LUBE, INC.
Address: 4849 Homestead Rd., Ste. #232
 Houston, TX, 77028 USA **Phone:** 713-670-5700
Emergency Phone: 713-670-5700 **Fax:** 713-678-4604
Chemtrec 24 hours (USA): 800-424-9300
Outside the USA: 703-527-3887

Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Nonhazardous Blend					
100%					

Main Hazards—Health Effects

Eyes: May cause irritation. **Inhalation:** Inhalation of mist or liquid could cause irritation. **Ingestion:** May cause diarrhea.
Skin: For hypersensitive persons, may irritate the skin after prolonged periods of contact.

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 if irritation persists.
Skin: Rinse with water. Contaminated clothing should be rinsed prior to reuse.

Extinguishing Media: None required. **Unsuitable Extinguishing Media:** Not applicable.
Protective Equipment for Fire fighting: Not required.

Personal Precautions: None required. **Environmental Precautions:** None required.
Spillage: Wash down surface and allow to dry to avoid walking hazard.

Handling: No special handling precautions necessary. **Storage:** Don't store at elevated temperatures. Keep container closed to avoid caking.

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

Physical State: Fluid **Color:** Translucent water white/pale yellow **Odor:** Petroleum **pH:** 7-8 **Boiling Range/Point °F (°C):** >212 (100)
Melting Point °F (°C): 32 (0) **Flash Point (COC) °F (°C):** None **Autoignition Temperature °F (°C):** None **OAR Value:** N/A
Explosive Properties: LEL: N/A UEL: N/A **Evaporation Rate (Butyl Acetate):** >1 **Partition Coefficient (Log Pow):** UN
Vapor Pressure (kPa): <0.04 **Percent Volatiles (Method 24):** UN **Water Content (ASTM D-4017):** 85% **Density (g/cm³):** 1.00
Flammability: Not flammable at ambient temp. **Oxidizing Properties:** None **Water Solubility:** Complete **Vapor Density:** >1

Stability: Chemically stable under normal conditions. No photoreactive agents.
Conditions to Avoid: Extreme temperatures. **Materials to Avoid:** None known.
Hazardous Decomposition Products: None known.

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—actual test data (Oncorhynchus Mykiss. **LD-50:** N/A

Possible Effects: None
Behavior: Relatively well behaved. Bioaccumulation potential nil.
Environmental Fate: Highly unlikely to cause widespread contamination. Believed nontoxic to marine or land organisms.

Product Disposal: Contact waste disposal company or local authority for advice.
Container Disposal: Pails without liner—see Product Disposal section above.
 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

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	NA

NFPA SYMBOL



Signature: 
Prepared by: Donald A. Oldiges
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