

# CLEAN-UP PLUS™

## ORGANIC SOLVENT CLEANER & DEGREASER

### DESCRIPTION

**CLEAN-UP PLUS™** is a specially formulated, high performance blend of safe, organic solvents designed to quickly dissolve and rinse away dirt, grease, grime, oil, tar and wax while being both environmentally safe and ozone friendly.

**CLEAN-UP PLUS** starts working immediately on contact, breaking down and dissolving even the most stubborn contaminants without the use of fluorinated, chlorinated or SARA listed ingredients. **CLEAN-UP PLUS** slowly evaporates while cleaning and leaves a residue-free surface. Safe on all metals and most plastics. High 29,000 volt dielectric strength makes **CLEAN-UP PLUS** an excellent choice for cleaning electrical and related equipment. Safe, nonflammable CO<sub>2</sub> propellant.

- Replaces 1:1:1 Trichloroethane
- Low Odor
- Nonflammable Propellant
- Natural Organic Formula
- Residue Free
- Safe on all Metals and most Plastics
- Ozone Friendly
- Environmentally Safe
- NSF (C-1) Registered
- Biodegradable

### APPLICATIONS

**CLEAN-UP PLUS** is the ideal, environmentally safe, ozone friendly product for a wide range of automotive, industrial and marine cleaning applications such as:

Engine Components	Bearings	Electrical Motors
Appliances	Machine Parts	Cables
Alternators	Tools	Gears
Metal Surfaces	Chains	Injectors
Cranes	Forklifts	Generators
Terminals	Winches	Wire Rope

### PRODUCT CHARACTERISTICS

Spray Pattern—Typical	Tight Stream
Propellant	Carbon Dioxide
Solvent Type	Mixture of ISO Paraffinic & Citrus Fluids
Specific Gravity	0.85
Density (lb/gal)	7.1
Flash Point	>120°F (49°C)
Dielectric Strength & Breakdown Voltage (ASTM D-877)	29 KV

**CLEAN-UP PLUS** is NSF (C-1) Registered. It meets USDA 1998 (C-1) Guidelines for use in Federally Inspected Meat and Poultry Plants.

### PACKAGING

Code No.	Container Size	Container
72542	15 oz.	Aerosol
72535	5 gal.	Pail
72529	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

JET-LUBE, INC.  
4849 HOMESTEAD RD.,  
P.O. BOX 21258 (77226-1258)  
HOUSTON, TX 77028

WATS: 800-538-5823  
PHONE: 713-674-7617  
FAX: 713-678-4604  
E-MAIL: sales@jetlube.com  
www.jetlube.com

# JET-LUBE, INC.

## MATERIAL SAFETY DATA SHEET

**Product Name:** CLEAN-UP PLUS™  
**Chemical Family:** Petroleum & citrus based solvent blend  
**Use:** Solvent Degreaser

**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

Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Petroleum Solvent	64742478	30-60	Oil Mist TWA 500 ppm	N/A	STEL: 10mg/M <sup>3</sup>
Nonhazardous Blend	5989275	30-60	UN	UN	UN
Carbon Dioxide (aerosol)	124389	2-5	10,000	5000	STEL: 54,000 mg/M <sup>3</sup>

**Main Hazards—Health Effects** **Eyes:** Causes irritation and pain if splashed into eye. **Ingestion:** May cause irritation of mouth & G.I. tract. Vomiting may aspirate into lungs and cause chemical pneumonia. **Inhalation:** May cause dizziness, nausea, possible death in high vapor concentration. **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:** 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 & 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:** Do not allow it to enter drains.  
**Spillage:** Dries, leaving biodegradable residue.

**Handling:** No special handling precautions necessary. **Storage:** Do not store at elevated temperatures.

**Respiratory Protection:** None needed in well-ventilated areas. **Hand Protection:** Protective gloves for hypersensitive persons. **Eye Protection:** Glasses, if applied to parts in motion. **Body Protection:** Chemical resistant apron.

**Physical State:** Clear fluid **Color:** Water white **Odor:** Citrus **pH:** Neutral **Boiling Range/Point °F (°C):** >325 (163)  
**Melting Point °F (°C):** N/A **Flash Point (TCC) °F (°C):** >150 (66) **Autoignition Temperature °F (°C):** UN **Vapor Density:** >4.0  
**Explosive Properties:** LEL: 0.7% UEL: 61% **Evaporation Rate (Butyl Acetate):** <1.0 **Partition Coefficient (Log Pow):** N/A  
**Vapor Pressure (kPa):** <2.0 **Percent Volatiles:** 100% including propellant **Density (g/cm<sup>3</sup>):** 0.85 **Flammability:** Not flammable at ambient temperatures below 100°F (38°C). **OAR Value:** >5000 - Group 5 **Oxidizing Properties:** None **Water Solubility:** Negligible

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

**Acute Toxicity:** Not known. **Allergens:** Not Known **Skin Sensitization:** Not known. **Irritancy—Skin:** Very mild  
**Subacute/Sub-chronic Toxicity:** Not known. **Genotoxicity:** None known. **Chronic Toxicity:** None known.  
**California Prop 65:** N/A **Carcinogen:** NTP: No **IARC:** UN **OSHA:** UN **EC Class (67/548/EEC):** UN **LC-50:** UN **LD-50:** UN

**Possible Effects:** May generate oil fractions that could act as a marine pollutant in extreme cases, but highly unlikely.

**Behavior:** Relatively well behaved. Bioaccumulation potential nil.

**Environmental Fate:** Not thought to be toxic to marine or land organisms. A fluid of lower density than water. It will float.

**Product Disposal:** Do not incinerate. Contact waste disposal company or local authority for advice. **Container Disposal:** Bulk, contact waste disposal company or local authority for advice. **Aero,** consult regulations for disposal of spent pressurized containers.

**D.O.T.:** Consumer Commodity ORM-D (aerosol) Bulk: Containers of less than 119 gal. of this product are not regulated by DOT. Larger containers are classified as combustible. **UN No.:** Bulk: 1993, Aero: Div. 2.1 UN1950 (<250g flammable solvent) **Air Transport (ICAO & IATA):** Bulk: 1993, Aero: Hazardous-pressurized container **Sea Transport (IMO & IMDG):** Bulk: 1993, Aero: UN1950, Class 2

**Road & Rail Transport (ADR/RID):** Bulk: 1993, Aero: UN1950, Class 2.1

**Labeling Information:** None needed **EC Annex 1 Classification:** N/A **R Phrases:** R22, harmful if swallowed.

**S Phrases:** S3 keep cool. S16, keep away from ignition sources. **Ozone Depleting Chemicals:** None, nil. **TSCA 12B Components:** None  
**TSCA:** All components are listed. **WHMIS (Canada):** Class B, Div. B-3 **Canadian DSL:** All components listed.

**40 CFR Part 372 (SARA Section 313):** N/A **CERCLA:** Nonhazardous **RCRA Hazard Class:** Nonhazardous **SARA 311/312:** None

**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	1
FLAMMABILITY	2
REACTIVITY	0
PPI	B

### NFPA SYMBOL



**Signature:**   
**Prepared by:** Donald A. Oldiges  
**Date Issued:** November 11, 2005

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