

# **CLEAN-UP™**

## **INDUSTRIAL CLEANER/SAFETY SOLVENT**

### **DESCRIPTION**

**CLEAN-UP™** Degreaser is an industrial strength, non-flammable, chlorinated solvent, not currently listed as an ozone depleting substance. **CLEAN-UP** effectively dissolves grease, oil, paint, grime, dirt and dust from a broad spectrum of surfaces. Its high solvency can adversely affect certain paints and plastics, so should be tested on critical surfaces prior to large-scale usage. Excellent brake cleaner.

- NSF Registered K1 Reg# 137558
- Nonflammable
- Penetrates Quickly
- Residue Free
- Ozone Friendly
- Acid, Alkali Free
- Low Odor
- >29 kv Dielectric Strength

### **APPLICATIONS**

**CLEAN-UP** is ideal for cleaning items such as:

Engine Components	Bearings	Motors
Appliances	Machine Parts	Cables
Cement Flooring	Tools	Gears
Metal Surfaces	Chains	Injectors

### **PRODUCT CHARACTERISTICS**

Solvent Type	Chlorinated
Appearance	Water, white fluid
Specific Gravity	1.5
Density (lb/gal)	12.2
Flash Point	None
Dielectric Strength & Breakdown Voltage (ASTM D-877)	>29 KV

### **PACKAGING**

Code No.	Container Size	Container
61542	18 oz.	Aerosol
61535	See Aerosol MSDS/Bulletin 5 Gal.	Container

### **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](http://www.jetlube.com)

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# JET-LUBE, INC.

## MATERIAL SAFETY DATA SHEET

**I** **Product Name:** CLEAN-UP™ **Manufacturer/Supplier:** JET-LUBE, INC.  
**Chemical Family:** Halogenated Solvent **Address:** 4849 Homestead Rd., Ste. #200  
Houston, TX, 77028 USA **Phone:** 713-674-7617  
**Use:** Industrial Degreaser & Cleaner **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
Halocarbon	79016	100	TWA 200 mg/M <sup>3</sup>	50 to 100 ppm	STEL: 200 ppm

**III** **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.

**IV** **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.

**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:** Dries, leaving biodegradable residue.

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

**VIII** **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.

**IX** **Physical State:** Clear fluid **Color:** Clear, colorless **Odor:** Ether-like **pH:** Neutral **Boiling Range/Point °F (°C):** >187 (86)  
**Melting Point °F (°C):** N/A **Flash Point (TCC) °F (°C):** None **Autoignition Temperature °F (°C):** 788 (420)  
**Explosive Properties:** LEL: 8.0% UEL: 52% **Evaporation Rate (Butyl Acetate):** >4.5 **Partition Coefficient (Log Pow):** <3  
**Vapor Pressure (kPa):** >59 **Percent Volatiles:** 100% including propellant **Density (g/cm<sup>3</sup>):** 1.5 **Flammability:** Not flammable  
**OAR Value:** N/A **Oxidizing Properties:** None **Water Solubility:** Nil **Vapor Density:** >4.5

**X** **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 halogenated gases that could be toxic or corrosive.

**XI** **Acute Toxicity:** A CNS depressant, i.e., dizziness, nausea. **Allergens:** Not Known **Skin Sensitization:** Not known.  
**LC-50:** UN **LD-50:** UN **Irritancy—Skin:** Mild, could cause irritation and dermatitis. **Subacute/Sub-chronic Toxicity:** Not known.  
**Genotoxicity:** None known. **Chronic Toxicity:** None known. **California Prop 65:** TCE (carcinogen) **Carcinogen:** NTP: 2A (1997)  
**IARC:** Group 3 Not Classified as human carcinogen (1997) **ACGIH (A5):** Not classified as human carcinogen **EC Class (67/548/EEC):** UN


**XII** **Possible Effects:** May act as a marine pollutant. **Behavior:** Currently no data. **Mobility:** High in soil. **KOC:** 50-150  
**Environmental Fate:** Highly volatile, should evaporate to atmosphere. More dense than water.

**XIII** **Product Disposal:** Do not incinerate. Contact waste disposal company or local authority for advice.  
**Container Disposal:** Consult waste disposal company of local authority for advice on disposal of pressurized containers (aerosol cans).

**XIV** **D.O.T.:** UN1710, Class 6.1 **UN No.:** 1710 **Air Transport (ICAO & IATA):** UN1710, Class 6.1  
**Sea Transport (IMO & IMDG):** UN1710, Class 6.1  
**Road & Rail Transport (ADR/RID):** UN1710, Class 6.1

**XV** **Labeling Information:** None needed **EC Annex 1 Classification:** N/A **R Phrases:** R22, harmful if swallowed. R20, harmful if inhaled.  
**S Phrases:** S3 keep cool. S38, in case of insufficient ventilation wear suitable respiratory equipment.  
**Ozone Depleting Chemicals:** If present, in trace quantities. **TSCA:** All components are listed. **WHMIS (Canada):** D1, D2  
**40 CFR Part 372 (SARA Section 313):** The product contains in part raw material components subject to reporting.  
**CERCLA:** Hazardous Substance (TCE) RQ=100 lbs. (45.4 kg) **RCRA Hazard Class:** (HOC) **SARA 311/312:** None  
**TSCA 12B Components:** None **Canadian DSL:** All components listed.

**XVI** **New Jersey Right To Know:** See Section II

**Signature:**   
**Prepared by:** Donald A. Oldiges  
**Date Issued:** March 7 2008

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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	2
FLAMMABILITY	1
REACTIVITY	0
PPI	G

