

JET-LUBE, INC.

MATERIAL SAFETY DATA SHEET

Product Name: CLEAN-UP™
Chemical Family: Halogenated Solvent
Use: Industrial Degreaser & Cleaner

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
Halocarbon	79016	100	TWA 200 mg/M ³	50 to 100 ppm	STEL: 200 ppm

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:** 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/cm³):** 1.5 **Flammability:** Not flammable
OAR Value: N/A **Oxidizing Properties:** None **Water Solubility:** Nil **Vapor Density:** >4.5

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.

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

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.

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).

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

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.

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	2
FLAMMABILITY	1
REACTIVITY	0
PPI	G

NFPA SYMBOL



Signature: 
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