



SAFETY DATA SHEET

Issuing Date 21-Jan-2015

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Revision Number 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name JET-LUBE® ALL PURPOSE

Other means of identification

Product Code(s) 50441

UN-Number UN1950

Synonyms All Purpose Lubricant Aerosol

Recommended use of the chemical and restrictions on use

Recommended Use Lubricants, Greases and Release Products, metal surface treatment product

Uses advised against No information available

Supplier's details

Manufacturer Address

Jet-Lube, Inc.
4849 Homestead Rd.
Suite 232
Houston, Texas 77028
TEL: 713-670-5700 (7:00 a.m. - 5:00 p.m.)

Emergency telephone number

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

Classification


This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

Aspiration Toxicity	Category 1
Gases under pressure	Compressed gas

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word **Danger**
Hazard Statements
• May be fatal if swallowed and enters airways
•
• Contains gas under pressure; may explode if heated

		
Appearance Pale yellow	Physical State Liquid, Aerosol.	Odor Petroleum

Precautionary Statements**Prevention**

- None

General Advice

- None

Ingestion

- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- Do NOT induce vomiting.

Storage

- Store locked up.
- Protect from sunlight. Store in a well-ventilated place

Disposal

- Dispose of contents/container to an approved waste disposal plant.

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information

Harmful to aquatic life with long lasting effects

11.1% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Synonyms**

ALL PURPOSE LUBRICANT AEROSOL

Chemical Name	CAS-No	Weight %	Trade secret
Petroleum distillates, hydrotreated light	64742-47-8	60-65	*
Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	20-25	*
Carbamodithioic acid, dibutyl-, methylene ester	10254-57-6	3-5	*
Carbon dioxide	124-38-9	2-5	*

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES**Description of necessary first-aid measures****General Advice**

Show this safety data sheet to the doctor in attendance.

Eye Contact

Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin Contact

Wash skin with soap and water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.

Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
Ingestion	Aspiration hazard if swallowed - can enter lungs and cause damage. Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Protection of First-aiders	Use personal protective equipment.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Move containers from fire area if you can do it without risk.

Unsuitable Extinguishing Media No information available.

Specific Hazards Arising from the Chemical

Ruptured cylinders may rocket. Cylinders may rupture under extreme heat.

Explosion Data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	Yes.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and inhalation of vapors. Remove all sources of ignition.

Environmental Precautions

Environmental Precautions Local authorities should be advised if significant spillages cannot be contained. Avoid release to the environment. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills.

Methods for Cleaning Up If possible, turn leaking containers so that gas escapes rather than liquid. Cover liquid spill with sand, earth or other noncombustible absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Remove all sources of ignition. Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not take internally. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers. Keep away from incompatible materials.

Incompatible Products Strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Petroleum distillates, hydrotreated light 64742-47-8	TWA: 5 mg/m ³ STEL: 10 mg/m ³ (as oil mist)	TWA: 5 mg/m ³ (as oil mist)	-
Petroleum distillates, solvent dewaxed heavy paraffinic 64742-65-0	TWA: 5 mg/m ³ , as oil mist, mineral STEL: TWA: 10 mg/m ³ , as oil mist, mineral	TWA: 5 mg/m ³ , as oil mist, mineral	-
Carbon dioxide 124-38-9	STEL = 30000 ppm TWA: 5000 ppm	TWA: 5000 ppm TWA: 9000 mg/m ³ (vacated) TWA: 10000 ppm (vacated) TWA: 18000 mg/m ³ (vacated) STEL: 30000 ppm (vacated) STEL: 54000 mg/m ³	IDLH: 40000 ppm TWA: 5000 ppm TWA: 9000 mg/m ³ STEL: 30000 ppm STEL: 54000 mg/m ³

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses with side-shields.
Skin and Body Protection Long sleeved clothing. Protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.
Respiratory Protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid, Aerosol	Appearance	Pale yellow.
Odor	Petroleum	Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	Neutral	None known
Melting Point/Range	-50 °C	None known
Boiling Point/Boiling Range	199-260 °C	None known

Flash Point	> 75 °C	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	0.83	None known
Water Solubility	Slightly soluble	None known
Solubility in other solvents	Completely soluble	None known
Partition coefficient: n-octanol/water	3.3-6	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	4.5 -6 cSt (@ 40°C)	None known

Flammable Properties Not flammable

Explosive Properties No data available

Oxidizing Properties No data available

Other information

VOC Content (%) 0 g/L

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Heat, flames and sparks. Incompatible products.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

None under normal use.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation	Vapors may irritate throat and respiratory system.
Eye Contact	Contact with eyes may cause irritation.
Skin Contact	Repeated exposure may cause skin dryness or cracking.
Ingestion	Potential for aspiration if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum distillates, hydrotreated light	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h
Petroleum distillates, solvent dewaxed heavy paraffinic	-	-	>4.7 mg/l (rat) 4 hr.
Carbon dioxide	-	-	470000 ppm (Rat)

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity The full refining history is known for this product and it can be shown that the substance from which it is produced is not a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Petroleum distillates, solvent dewaxed heavy paraffinic	A2	Group 1		X

ACGIH: (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC: (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

OSHA: (Occupational Safety & Health Administration)

X - Present

Reproductive Toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration Hazard No information available.

Numerical measures of toxicity - Product

Acute Toxicity 11.1% of the mixture consists of ingredient(s) of unknown toxicity.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Petroleum distillates, hydrotreated light 64742-47-8		LC50 96 h: = 45 mg/L flow-through (Pimephales promelas) LC50 96 h: = 2.2 mg/L static (Lepomis macrochirus) LC50 96 h: = 2.4 mg/L static (Oncorhynchus mykiss)		LC50 96 h: = 4720 mg/L (Den-dronereides heteropoda)
Petroleum distillates, solvent dewaxed heavy paraffinic 64742-65-0		LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss)		EC50 48 h: > 1000 mg/L (Daphnia magna)

Persistence and Degradability No information available.

Bioaccumulation No information available.

Other Adverse Effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Dispose of in accordance with federal, state, and local regulations

Contaminated Packaging Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT

UN-Number	UN1950
Proper shipping name	Aerosols
Hazard Class	2.2
Description	UN1950, Aerosols, 2.2
Emergency Response Guide Number	126

TDG

UN-Number	UN1950
Proper Shipping Name	Aerosols
Hazard Class	2.2
Description	UN1950, Aerosols, 2.2

MEX

UN-Number	UN1950
Proper Shipping Name	Aerosols
Hazard Class	2.2
Description	UN1950, Aerosols, 2.2

ICAO

UN-Number	UN1950
Proper shipping name	Aerosols
Hazard Class	2.2
Description	UN1950, Aerosols, 2.2

IATA

UN-Number	UN1950
Proper Shipping Name	Aerosols, non-flammable
Hazard Class	2.2
ERG Code	2L
Description	UN1950, Aerosols, non-flammable, 2.2

IMDG/IMO

UN-Number	UN1950
Proper Shipping Name	Aerosols
Hazard Class	2
Subsidiary Class	See SP63
EmS No.	F-D, S-U
Description	UN1950, Aerosols, 2.2 (See SP63)

RID

UN-Number	UN1950
Proper Shipping Name	Aerosols
Hazard Class	2
Classification Code	5A
Description	UN1950, Aerosols, 2.2

ADR

UN-Number	UN1950
Proper Shipping Name	Aerosols
Hazard Class	2
Classification Code	5A
Tunnel Restriction Code	(E)
Description	UN1950, Aerosols, 2.2, (E)

ADN

UN-No	UN1950
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Proper Shipping Name Aerosols
Hazard Class 2
Classification Code 5A
Special Provisions 190, 327, 344, 625
Description UN1950, Aerosols, 2.2
Limited Quantity 1 L
Ventilation VE04

15. REGULATORY INFORMATION

International Inventories

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard No
Chronic Health Hazard No
Fire Hazard No
Sudden Release of Pressure Hazard Yes
Reactive Hazard No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

"X" designates that the ingredients are listed on the state right to know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Petroleum distillates, solvent dewaxed heavy paraffinic				X	
Carbon dioxide	X	X	X	-	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA Health Hazard 2 Flammability 0 Instability 0 Physical and Chemical Hazards -
HMIS Health Hazard 2 Flammability 0 Physical Hazard 0 Personal Protection X

Prepared By Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

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General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet