



SAFETY DATA SHEET

Issuing Date 18-Dec-2014

Revision Date 18-Dec-2014

Revision Number 0

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Code(s) 37341
Product Name WRL™ AEROSOL
Synonyms JET-LUBE® 769® AEROSOL

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Lubricants, Greases and Release Products, metal surface treatment product
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Importer	Company
Jet-Lube (UK) Ltd Jet-Lube House Reform Road Maidenhead Berkshire UK SL6 8BY TEL: 44 1628-631913 (8:00 a.m. - 5:00 p.m.)	Jet-Lube, Inc. 4849 Homestead Rd. Suite 232 Houston, Texas 77028 TEL: 713-670-5700 (7:00 a.m. - 5 p.m.)

For further information, please contact

E-mail Address doldiges@jetlube.com

1.4. Emergency telephone number

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

Europe	112
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Section 2. Hazards identification

2.1. - Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Aspiration Toxicity	Category 1
Chronic Aquatic Toxicity	Category 3

Physical Hazards

Gases under pressure	Compressed gas
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Classification according to EU Directives 67/548/EEC or 1999/45/EC

The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

R-code(s) R66 - R52-53

For the full text of the R-phrases mentioned in this Section, see Section 16

2.2. Label Elements



Signal Word

Danger

Hazard Statements

H304 - May be fatal if swallowed and enters airways
 H412 - Harmful to aquatic life with long lasting effects
 H280 - Contains gas under pressure; may explode if heated
 EUH066 - Repeated exposure may cause skin dryness or cracking
 EUH210 - Safety data sheet available on request

Precautionary Statements

P273 - Avoid release to the environment
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician
 P331 - Do NOT induce vomiting
 P405 - Store locked up
 P501 - Dispose of contents/ container to an approved waste disposal plant
 P410 + P403 - Protect from sunlight. Store in a well-ventilated place

2.3. Other information**Section 3. Composition/information on ingredients****3.1. Substances**

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU - GHS Substance Classification	REACH No.
Petroleum distillates, hydrotreated light	Present	64742-47-8	60-65	R10 Xn;R65 R66	Asp. Tox. 1 (H304)	No data available
Petroleum distillates, solvent dewaxed heavy paraffinic	Present	64742-65-0	20-25	Carc.Cat.2; R45	Carc. 1B (H350)	No data available
Carbamodithioic acid, dibutyl-, methylene ester	233-593-1	10254-57-6	3-5	N;R51/53	Aquatic Chronic 2 (H411)	No data available

For the full text of the R-phrases mentioned in this Section, see Section 16

For the full text of the H-Statements mentioned in this Section, see Section 16

Note

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. This note applies only to certain complex oil derived substances in Annex I.

Section 4. First aid measures

4.1. Description of first-aid measures

General Advice	Show this safety data sheet to the doctor in attendance.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin Contact	In case of contact with liquefied gas, thaw frosted parts with lukewarm water. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Ingestion	Not an expected route of exposure. Rinse mouth. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.
Inhalation	Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Protection of First-aiders	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.2. Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects No information available.

4.3. Indication of immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

Section 5. Fire-fighting measures

5.1. Extinguishing media**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons

No information available.

5.2. Special hazards arising from the substance or mixture**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

Keep product and empty container away from heat and sources of ignition. Containers may explode when heated.

5.3. Advice for firefighters**Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Contents under pressure. Do not touch damaged packages or spilled material. In case of rupture: Ensure adequate ventilation. Remove all sources of ignition. Refer to Section 8 for personal protective equipment.

6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

6.3. Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so.

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

6.4. Reference to other sections

Personal protection equipment (PPE) - Refer to Section 8.

Disposal - Refer to Section 13.

Section 7. Handling and storage

7.1. Precautions for Safe Handling

Handling

Keep away from open flames, hot surfaces and sources of ignition. Wear personal protective equipment. Ensure adequate ventilation. Take precautionary measures against static discharges. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Use only in area provided with appropriate exhaust ventilation.

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Remove and wash contaminated clothing before re-use.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep away from direct sunlight.

7.3. Specific end use(s)

Exposure Scenario

No information available.

Other Guidelines

No information available.

Section 8. Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical Name	EU	The United Kingdom	France	Spain	Germany
Petroleum distillates, hydrotreated light 64742-47-8					TWA: 20 ppm TWA: 140 mg/m ³ Ceiling / Peak: 40 ppm Ceiling / Peak: 280 mg/m ³
Petroleum distillates, solvent dewaxed heavy paraffinic 64742-65-0				VLA-EC: 10 mg/m ³ VLA-EC VLA-ED: 5 mg/m ³ VLA-ED	
Component	Italy	Portugal	The Netherlands	Finland	Denmark

Petroleum distillates, solvent dewaxed heavy paraffinic 64742-65-0 (20-25)		STEL: 10 mg/m ³ TWA: 5 mg/m ³		TWA: 5 mg/m ³	TWA: 1 mg/m ³
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Petroleum distillates, solvent dewaxed heavy paraffinic 64742-65-0			NDSCh: 10 mg/m ³ NDS: 5 mg/m ³	TWA: 1 mg/m ³ STEL: 3 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³

Derived No Effect Level No information available
Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.
Personal protective equipment
Eye Protection Safety glasses with side-shields.
Skin and Body Protection Long sleeved clothing.
Hand Protection 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, ventilation and evacuation may be required.

Environmental Exposure Controls Do not allow material to contaminate ground water system.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State Liquid, Aerosol. **Appearance** Pale yellow.
Odor Petroleum.

<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
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Relative Density	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
Explosive Properties	No information available	
Oxidizing Properties	No information available	

9.2. Other information

VOC Content (%) 0 g/L
Flammability Limits in Air No information available.

Section 10. Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks. Incompatible products. Keep away from direct sunlight. Do not puncture or incinerate cans.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

None under normal use.

Section 11. Toxicological information
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11.1.**Acute Toxicity****Product 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

Not an expected route of exposure. May be fatal if swallowed and enters airways.

Component Information

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.

Sensitization

None known.

Mutagenic Effects

None known.

Carcinogenic Effects

No information available.

Reproductive Toxicity

None known.

Developmental Toxicity

None known.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Target Organ Effects

Central nervous system (CNS).

Aspiration Hazard

No information available.

Section 12. Ecological information

12.1. Toxicity**Ecotoxicity Effects**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Ecotoxicity effects of component substances:

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)

Petroleum distillates, hydrotreated light		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		LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss)		EC50 48 h: > 1000 mg/L (Daphnia magna)

12.2. Persistence and degradability

No data is available on the product itself. Expected to be biodegradable

12.3. Bioaccumulative potential.

No information available.

12.4. Mobility in soil

Adsorbs on soil.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

This product does not contain any known or suspected endocrine disruptors.

Section 13. Disposal considerations

13.1. Waste treatment methods**Waste from Residues / Unused Products**

Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations

Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14. Transport information

IMDG/IMO

14.1. UN-Number	UN1950
14.2. Proper Shipping Name	Aerosols
14.3. Hazard Class	2
Subsidiary Class	See SP63
14.4. Packing Group	Not regulated.
Description	UN1950, Aerosols, 2.2 (See SP63)
14.5. Marine Pollutant	None.
14.6. Special Provisions	None.
EmS No.	F-D, S-U

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available.

RID

14.1. UN-Number UN1950
 14.2. Proper Shipping Name Aerosols
 14.3. Hazard Class 2
 14.4. Packing Group Not regulated.
 Description UN1950, Aerosols, 2.2
 14.5. Environmental hazard None.
 14.6. Special Provisions None.
 Classification Code 5A

ADR

14.1. UN-Number UN1950
 14.2. Proper Shipping Name Aerosols
 14.3. Hazard Class 2
 14.4. Packing Group Not regulated.
 Description UN1950, Aerosols, 2.2, (E)
 14.5. Environmental hazard None.
 14.6. Special Provisions None.
 Classification Code 5A
 Tunnel Restriction Code (E)

ICAO

14.1. UN-Number UN1950
 14.2. Proper shipping name Aerosols
 14.3. Hazard Class 2.2
 14.4. Packing Group Not regulated.
 Description UN1950, Aerosols, 2.2
 14.5. Environmental hazard None.
 14.6. Special Provisions None.

IATA

14.1. UN-Number UN1950
 14.2. Proper Shipping Name Aerosols, non-flammable
 14.3. Hazard Class 2.2
 14.4. Packing Group Not regulated.
 Description UN1950, Aerosols, non-flammable, 2.2
 14.5. Environmental hazard None.
 14.6. Special Provisions None.
 ERG Code 2L

Section 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

WGK Classification Water endangering class = 1

International Inventories

TSCA Complies
 EINECS/ELINCS Complies
 DSL/NDL Complies
 PICCS Not determined
 ENCS Not determined
 IECSC -
 AICS Complies
 KECL Not determined

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No information available

Section 16. Other information**Full text of R-phrases referred to under Sections 2 and 3**

R10 - Flammable
R45 - May cause cancer
R65 - Harmful: may cause lung damage if swallowed
R66 - Repeated exposure may cause skin dryness or cracking

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Full text of H-Statements referred to under sections 2 and 3

H411 - Toxic to aquatic life with long lasting effects
H350 - May cause cancer if swallowed
EUH066 - Repeated exposure may cause skin dryness or cracking
H304 - May be fatal if swallowed and enters airways
H280 - Contains gas under pressure; may explode if heated
H412 - Harmful to aquatic life with long lasting effects
EUH210 - Safety data sheet available on request

Key literature references and sources for data

www.ChemADVISOR.com/

Issuing Date	18-Dec-2014
Revision Date	18-Dec-2014
Revision Note	Initial Release.

This safety data sheet complies with the requirements of Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006

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