



SAFETY DATA SHEET

Issuing Date 25-Feb-2014

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Revision Number 0

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

1.1. Product identifier

Product Code(s) 37741
Product Name BOMBARDIER LUBE 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, Inc.
Jet-Lube House	4849 Homestead Rd.
Reform Road	Suite 232
Maidenhead	Houston, Texas 77028
Berkshire UK	TEL: 713-670-5700
SL6 8BY	
TEL: 44 1628-631913 (8:00 a.m. - 5:00 p.m.)	

For further information, please contact

E-mail Address lab@jetlube.com

1.4. Emergency telephone number

Emergency Telephone Number +1 703-741-5500

Europe	112
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Section 2. Hazards identification

2.1. - Classification of the substance or mixture

Classification according to EU Directives 67/548/EEC or 1999/45/EC
For the full text of the R-phrases mentioned in this Section, see Section 16

Symbol(s) Flammable aerosol
R-code(s) R10 - R66

2.2. Label Elements

F



Indication of danger

Flammable aerosol

R-phrases(s)

R10 - Flammable
R66 - Repeated exposure may cause skin dryness or cracking

S-phrase(s)

S23 - Do not breathe gas/fumes/vapor/spray
S24 - Avoid contact with skin

Do not spray on a naked flame or any other incandescent material

Keep away from sources of ignition - No smoking

Keep out of the reach of children

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use

2.3. Other information

Section 3. Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU - GHS Substance Classification	REACH No.
Petroleum distillates, hydrotreated light	Present	64742-47-8	45-50	R10 Xn;R65 R66	Asp. Tox. 1 (H304)	No data available
Petroleum distillates	270-704-2	68476-85-7	20-25	F+; R12 Carc.Cat.1; R45 Muta.Cat.2; R46	Muta. 1B (H340) Press. Gas Carc. 1B (H350) Flam. Gas 1 (H220)	No data available
Petroleum distillates, solvent dewaxed heavy paraffinic	Present	64742-65-0	15-20	Carc.Cat.2; R45	Carc. 1B (H350)	No data available
Carbamodithioic acid, dibutyl-, methylene ester	233-593-1	10254-57-6	1-5	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

Water spray. Carbon dioxide (CO₂). Alcohol-resistant foam. Dry chemical. 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

Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak. Contents under pressure.

6.2. Environmental precautions

Prevent product from entering drains. Do not allow material to contaminate ground water system.

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

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for Safe Handling

Handling

Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Do not breathe vapors or spray mist.

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

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.

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 68476-85-7		STEL: 1250 ppm STEL: 2180 mg/m ³ TWA: 1000 ppm TWA: 1750 mg/m ³		VLA-ED: 1000 ppm	
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	
Chemical Name	Italy	Portugal	The Netherlands	Finland	Denmark
Petroleum distillates 68476-85-7		TWA: 1000 ppm			
Petroleum distillates, solvent dewaxed heavy paraffinic 64742-65-0		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 68476-85-7					TWA: 1000 ppm TWA: 1800 mg/m ³ STEL: 1250 ppm STEL: 2250 mg/m ³
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. Nitrile rubber. Viton (R). Neoprene.

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. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

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

Flammable Properties	Flammable; may be ignited by heat, sparks or flames.
Explosive Properties	No information available
Oxidizing Properties	No information available

9.2. Other information

VOC Content (%)	No information available
VOC (g/l)	0
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. 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

11.1.

Acute Toxicity

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

Not an expected route of exposure.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum distillates, solvent dewaxed heavy paraffinic			>4.7 mg/l (rat) 4 hr.

Sensitization

None known.

Mutagenic Effects

None known.

Carcinogenic Effects

NOTE: As per Nota K, the carcinogen or mutagen classification does NOT apply to this preparation because the producer declares that the "Petroleum distillate" contains less than 0.1% w/w 1,3-butadiene (Einecs No 203-450-8).

Chemical Name	EU Annex I Carcinogen Information	UK
Petroleum distillates	Category 1	

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

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

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 information available.

12.3. Bioaccumulative potential.

No information available.

Chemical Name	Log Pow
Petroleum distillates	2.8

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**

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

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, 2.1 (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, 2.1
14.5. Environmental hazard	None.
14.6. Special Provisions	None.
Classification Code	5F

ADR

14.1. UN-Number	UN1950
14.2. Proper Shipping Name	Aerosols
14.3. Hazard Class	2
ADR/RID-Labels	2.1
14.4. Packing Group	Not regulated.
Description	UN1950, Aerosols, 2.1, (D)
14.5. Environmental hazard	None.
14.6. Special Provisions	None.
Classification Code	5F
Tunnel Restriction Code	(D)

ICAO

14.1. UN-Number	UN1950
14.2. Proper shipping name	Aerosols
14.3. Hazard Class	2.1
14.4. Packing Group	Not regulated.
Description	UN1950, Aerosols, 2.1
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

IATA

14.1. UN-Number	UN1950
14.2. Proper Shipping Name	Aerosols, flammable
14.3. Hazard Class	2.1
14.4. Packing Group	Not regulated.
Description	UN1950, Aerosols, flammable, 2.1
14.5. Environmental hazard	None.
14.6. Special Provisions	None.
ERG Code	10L

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/NDSL	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/NDSL - 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
R66 - Repeated exposure may cause skin dryness or cracking
R65 - Harmful: may cause lung damage if swallowed
R45 - May cause cancer
R46 - May cause heritable genetic damage

R51/53 - Toxic 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

H304 - May be fatal if swallowed and enters airways
H340 - May cause genetic defects
H350 - May cause cancer
H220 - Extremely flammable gas
H411 - Toxic to aquatic life with long lasting effects

Key literature references and sources for data

www.ChemADVISOR.com/

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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