



# SAFETY DATA SHEET

Issuing Date 09-Oct-2014

Revision Date 03-Dec-2014

Revision Number 1

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

### 1.1. Product identifier

Product Code(s) 50641

Product Name **FOOD GRADE SILICONE AEROSOL**

Synonyms JET-LUBE® FOOD GRADE SILICONE AEROSOL  
Contains Naphtha, petroleum, hydrotreated light

### 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

<b>Importer</b>	<b>Company</b>
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 (7:00 a.m. - 5 p.m.)
SL6 8BY	
TEL: 44 1628-631913 (8:00 a.m. - 5:00 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
--------	-----

## Section 2. Hazards identification

### 2.1. - Classification of the substance or mixture

#### REGULATION (EC) No 1272/2008

Aspiration Toxicity	Category 1
---------------------	------------

#### Physical Hazards

Flammable aerosols	Category 1
Gases under pressure	Compressed gas

#### 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.

Symbol(s) Xn - Harmful  
R-code(s) R10 - Xn;R65

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
- H316 - Causes mild skin irritation
- H222 - Extremely flammable aerosol
- H280 - Contains gas under pressure; may explode if heated

**Precautionary Statements**

- P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician
- P331 - Do NOT induce vomiting
- P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
- P211 - Do not spray on an open flame or other ignition source
- P251 - Pressurized container: Do not pierce or burn, even after use
- P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F

**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.
Naphtha, petroleum, hydrotreated light	Present	64742-49-0	50-60	Carc.Cat.2; R45 Muta.Cat.2; R46 Xn; R65	Muta. 1B (H340) Carc. 1B (H350) Asp. Tox. 1 (H304)	No data available
n-Hexane	203-777-6	110-54-3	1-5	F; R11 Xi; R38 N; R51-53 Repr.Cat.3; R62 Xn; R65-48/20 R67	Skin Irrit. 2 (H315) Flam. Liq. 2 (H225) Repr. 2 (H361f) STOT RE 2 (H373) STOT SE 3 (H336) Asp. Tox. 1 (H304) 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

<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash off immediately with plenty of water. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Drink plenty of water. If symptoms persist, call a physician.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
<b>Protection of First-aiders</b>	Remove all sources of ignition.

### 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**

Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol-resistant foam.

**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**

Containers may explode when heated.

### 5.3. Advice for firefighters

**Special protective equipment for fire-fighters**

In the event of fire and/or explosion do not breathe fumes

## 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. Pay attention to flashback. Take precautionary measures against static discharges.

### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

### 6.3. Methods and materials for containment and cleaning up

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 in properly labeled containers. Keep away from heat and sources of ignition. Protect from light. Keep containers tightly closed in a dry, cool and well-ventilated place.

### 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
n-Hexane 110-54-3	TWA 20 ppm TWA 72 mg/m <sup>3</sup>	STEL: 60 ppm STEL: 216 mg/m <sup>3</sup> TWA: 20 ppm TWA: 72 mg/m <sup>3</sup>	VME: 20 ppm VME: 72 mg/m <sup>3</sup>	VLA-EC: 1000 ppm VLA-EC: 3580 mg/m <sup>3</sup> VLA-ED: 20 ppm VLA-ED: 72 mg/m <sup>3</sup>	MAK: 50 ppm MAK: 180 mg/m <sup>3</sup> Ceiling / Peak: 400 ppm Ceiling / Peak: 1440 mg/m <sup>3</sup> TWA: 50 ppm TWA: 180 mg/m <sup>3</sup>
Component	Italy	Portugal	The Netherlands	Finland	Denmark

n-Hexane 110-54-3 ( 1-5 )	TWA: 20 ppm TWA: 72 mg/m <sup>3</sup>	STEL: 1000 ppm TWA: 50 ppm	STEL: 144 mg/m <sup>3</sup> TWA: 72 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 72 mg/m <sup>3</sup> STEL: 630 ppm STEL: 2300 mg/m <sup>3</sup> Skin	TWA: 20 ppm TWA: 72 mg/m <sup>3</sup>
<b>Chemical Name</b>	<b>Austria</b>	<b>Switzerland</b>	<b>Poland</b>	<b>Norway</b>	<b>Ireland</b>
n-Hexane 110-54-3	STEL 80 ppm STEL 288 mg/m <sup>3</sup> MAK: 20 ppm MAK: 72 mg/m <sup>3</sup>	Skin STEL: 400 ppm STEL: 1440 mg/m <sup>3</sup> MAK: 50 ppm MAK: 180 mg/m <sup>3</sup>	NDSch: 1200 mg/m <sup>3</sup> NDS: 72 mg/m <sup>3</sup> Skin	TWA: 20 ppm TWA: 72 mg/m <sup>3</sup> STEL: 30 ppm STEL: 108 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 72 mg/m <sup>3</sup> STEL: 1000 ppm STEL: 3600 mg/m <sup>3</sup>

<b>Chemical Name</b>	<b>European Union</b>	<b>United Kingdom</b>	<b>France</b>	<b>Spain</b>	<b>Germany</b>
n-Hexane 110-54-3			5 mg/g creatinine urine end of shift Total 2,5-Hexanedione (with acid hydrolysis) Non-specific (observed after the exposure to other substances)	0.4 mg/L urine end of workweek 2,5-Hexanedione (without hydrolysis) 1,8	5 mg/L urine end of shift 2,5-Hexanedione plus 4,5-Dihydroxy-2-hexan one
<b>Component</b>	<b>Italy</b>	<b>Portugal</b>	<b>Netherlands</b>	<b>Finland</b>	<b>Denmark</b>
n-Hexane 110-54-3 ( 1-5 )	(ACGIH:) 0.4 mg/L urine end of shift at end of workweek 2,5-Hexanedione (without hydrolysis)				
<b>Chemical Name</b>	<b>Austria</b>	<b>Switzerland</b>	<b>Poland</b>	<b>Norway</b>	<b>Ireland</b>
n-Hexane 110-54-3		5 mg/L urine end of shift 2,5-Hexanedione plus 4,5-Dihydroxy-2-hexan one N			
<b>Component</b>	<b>Romania</b>	<b>Slovakia</b>	<b>Latvia</b>	<b>Bulgaria</b>	
n-Hexane 110-54-3 ( 1-5 )	5 mg/g creatinine urine end of shift 2,5-Hexandion	5 mg/L urine end of exposure or work shift 2,5-Hexanedione 5 mg/L urine end of exposure or work shift 4,5-Dihydroxy-2-hexanone			

**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. Impervious clothing.  
**Hand Protection** Impervious gloves.  
**Respiratory Protection** 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** Clear  
**Odor** Petroleum solvent.

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	Neutral	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	> 60 °C / 140 °F	None known
Flash Point	< -18 °C / 0 °F	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	0.666	None known
Water Solubility	Insoluble	None known
Solubility in other solvents	Completely soluble	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	~1 (@ 40°C)	None known
Flammable Properties	Flammable; may be ignited by heat, sparks or flames. Flammable liquid.	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

**9.2. Other information**

VOC Content (%)	No information available
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. Do not expose to extreme temperatures.

**10.5. Incompatible materials**

Strong oxidizing agents.

**10.6. Hazardous decomposition products**

Carbon oxides.

**Section 11. Toxicological information**

**11.1.**

**Acute Toxicity**

**Product Information**

**Inhalation**

May cause irritation of respiratory tract. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting

**Eye Contact**

May cause slight irritation.

**Skin Contact**

Substance may cause slight skin irritation. Prolonged skin contact may defat the skin and produce dermatitis. Causes mild skin irritation

**Ingestion**

Low order of toxicity based on components. Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Naphtha, petroleum, hydrotreated light	> 5000 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	= 73680 ppm ( Rat ) 4 h
n-Hexane	15000 mg/L ( Rat )	= 3000 mg/kg ( Rabbit )	= 48000 ppm ( Rat ) 4 h

**Sensitization** No information available.  
**Mutagenic Effects** No information available.  
**Carcinogenic Effects** 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	EU Annex I Carcinogen Information	UK
Naphtha, petroleum, hydrotreated light	Category 2	

**Reproductive Toxicity** No information available.  
**Developmental Toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Target Organ Effects** Central nervous system (CNS). Eyes. Peripheral Nervous System (PNS) Respiratory system. Skin.  
**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)
Naphtha, petroleum, hydrotreated light				LC50 96 h: = 2.6 mg/L (Chaetogammarus marinus)
n-Hexane		LC50 96 h: 2.1-2.98 mg/L flow-through (Pimephales promelas)		

### 12.2. Persistence and degradability

No information available.

### 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

<b>Waste from Residues / Unused Products</b>	Dispose of in accordance with local regulations.
<b>Contaminated Packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.
<b>Other Information</b>	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

<b>14.1. UN-Number</b>	UN1950
<b>14.2. Proper Shipping Name</b>	Aerosols
<b>14.3. Hazard Class</b>	2
<b>Subsidiary Class</b>	See SP63
<b>14.4. Packing Group</b>	Not regulated.
<b>Description</b>	UN1950, Aerosols, 2.1 (See SP63), (-18°C c.c.)
<b>14.5. Marine Pollutant</b>	None.
<b>14.6. Special Provisions</b>	None.
<b>EmS No.</b>	F-D, S-U
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	No information available.

#### RID

<b>14.1. UN-Number</b>	UN1950
<b>14.2. Proper Shipping Name</b>	Aerosols
<b>14.3. Hazard Class</b>	2
<b>14.4. Packing Group</b>	Not regulated.
<b>Description</b>	UN1950, Aerosols, 2.1
<b>14.5. Environmental hazard</b>	None.
<b>14.6. Special Provisions</b>	None.
<b>Classification Code</b>	5F

#### ADR

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

#### ICAO

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



**IATA**

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

**Section 15. Regulatory information**

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

**International Inventories**

<b>TSCA</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>PICCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>AICS</b>	Complies
<b>KECL</b>	Complies

**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**

R45 - May cause cancer  
R46 - May cause heritable genetic damage  
R65 - Harmful: may cause lung damage if swallowed  
R11 - Highly flammable  
R67 - Vapors may cause drowsiness and dizziness  
R62 - Possible risk of impaired fertility  
R38 - Irritating to skin  
R10 - Flammable

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation

---

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

H315 - Causes skin irritation  
H225 - Highly flammable liquid and vapor  
H361f - Suspected of damaging fertility  
H373 - May cause damage to organs (a,b,c) through prolonged or repeated exposure if inhaled  
H336 - May cause drowsiness or dizziness  
H304 - May be fatal if swallowed and enters airways  
H411 - Toxic to aquatic life with long lasting effects  
H340 - May cause genetic defects if inhaled  
H350 - May cause cancer if swallowed  
H222 - Extremely flammable aerosol  
H316 - Causes mild skin irritation  
H280 - Contains gas under pressure; may explode if heated

**Key literature references and sources for data**

[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)

<b>Issuing Date</b>	09-Oct-2014
<b>Revision Date</b>	03-Dec-2014
<b>Revision Note</b>	(M)SDS sections updated: 2, 16.

**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**