



SAFETY DATA SHEET

Issuing Date 04-Jun-2014

Revision Date 20-Aug-2015

Revision Number 1

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

1.1. Product identifier

Product Code(s) 258

Product Name JET-LUBE® JACKING GREASE ECF

Synonyms JET-LUBE® JSG, JACKING GREASE ECF

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

Recommended Use Lubricants, Greases and Release Products, Sealant

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 (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: 703-741-5500

| | |
|--------|-----|
| Europe | 112 |
|--------|-----|

Section 2. Hazards identification

2.1. - Classification of the substance or mixture

REGULATION (EC) No 1272/2008

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008

Physical Hazards

None

2.2. Label Elements

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008

Signal Word None

2.3. Other information

Section 3. Composition/information on ingredients

3.1. Not applicable

3.2. Mixtures

| Chemical Name | EC-No | CAS-No | Weight % | EU - GHS Substance Classification | REACH No. |
|---|-----------|------------|----------|-----------------------------------|-------------------|
| Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc. | 278-011-7 | 74869-21-9 | 60-75 | - | No data available |
| Calcium fluoride | Present | 7789-75-5 | 25-35 | | No data available |

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

| | |
|---------------------|---|
| Eye Contact | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| Skin Contact | Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. |
| Ingestion | Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. |
| Inhalation | Move to fresh air. |

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 powder. Carbon dioxide (CO₂). Foam. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Burning produces obnoxious and toxic fumes. Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Metal oxides.

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

Use personal protective equipment.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and materials for containment and cleaning up

Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for Safe Handling

Handling

Wear personal protective equipment. Ensure adequate ventilation. Wash thoroughly after handling.

Hygiene Measures

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry 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 |
|---|-----------------------------------|---|---|--------------------------------------|---|
| Calcium fluoride 7789-75-5 | TWA: 2.5 mg/m ³ (as F) | TWA: 2.5 mg/m ³ (as F) STEL: 7.5 mg/m ³ (as F) | VME: 2.5 mg/m ³ (as F) | VLA-ED: 2.5 mg/m ³ (as F) | TWA: 1 mg/m ³ |
| Component | Italy | Portugal | The Netherlands | Finland | Denmark |
| Calcium fluoride 7789-75-5 (25-35) | TWA: 2.5 mg/m ³ (as F) | TWA: 2.5 mg/m ³ (as F) | | TWA: 2.5 mg/m ³ (as F) | TWA: 2.5 mg/m ³ (as F) |
| Chemical Name | Austria | Switzerland | Poland | Norway | Ireland |
| Calcium fluoride 7789-75-5 | | | NDSC _h : 3 mg/m ³ NDS: 1 mg/m ³ | | TWA: 2.5 mg/m ³ STEL: 7.5 mg/m ³ |

| Chemical Name | European Union | United Kingdom | France | Spain | Germany |
|---------------|----------------|----------------|--------|-------|---------|
|---------------|----------------|----------------|--------|-------|---------|

| | | | | | |
|---|--|-----------------|---|--|----------------|
| Calcium fluoride 7789-75-5 | | | 3 mg/g creatinine urine beginning of shift Fluorides Background noise on non-exposed subjects, Non-specific (observed after the exposure to other substances) 10 mg/g creatinine urine end of shift Fluorides Background noise on non-exposed subjects, Non-specific (observed after the exposure to other substances) | 8 mg/L urine end of shift Fluorides 2,F,l | |
| Component | Italy | Portugal | Netherlands | Finland | Denmark |
| Calcium fluoride 7789-75-5 (25-35) | (ACGIH:) 2 mg/g Creatinine urine prior to shift Fluorides Background, nonspecific (ACGIH:) 3 mg/g Creatinine urine end of shift Fluorides Background, nonspecific | | | | |
| Component | Romania | Slovakia | Latvia | Bulgaria | |
| Calcium fluoride 7789-75-5 (25-35) | 5 mg/g Creatinine urine end of shift Fluorine | | | | |

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.
Respiratory Protection None required under normal usage. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Environmental Exposure Controls Local authorities should be advised if significant spillages cannot be contained. Do not allow material to contaminate ground water system. Prevent product from entering drains.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State Semi-fluid (gel) **Appearance** Beige
Odor Rapeseed Oil

| <u>Property</u> | <u>Values</u> | <u>Remarks/ - Method</u> |
|------------------------------------|-------------------|--------------------------|
| pH | Neutral | None known |
| Melting Point/Range | > 204 °C | None known |
| Boiling Point/Boiling Range | > 260 °C | None known |
| Flash Point | > 221 °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 | 1.26 | None known |
| Water Solubility | Insoluble in water. | None known |
| Solubility in other solvents | Largely | 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 | No data available | None known |
| Explosive Properties | No data available | |
| Oxidizing Properties | No data available | |

9.2. Other information

| | |
|----------------------------|-------------------|
| VOC Content (%) | None |
| Flammability Limits in Air | No data 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

Incompatible products.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

None under normal use.

Section 11. Toxicological information

11.1. Information on toxicological effects

Acute Toxicity

Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation

None known.

Eye Contact

None known.

Skin Contact

None known.

Ingestion

Not an expected route of exposure. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|------------------|----------------------|-------------|-----------------|
| Calcium fluoride | = 4250 mg/kg (Rat) | | |

Sensitization

None known.

Mutagenic Effects

None known.

Carcinogenic Effects

None known.

Reproductive Toxicity

None known.

Developmental Toxicity

None known.

STOT - single exposure

None known

STOT - repeated exposure

No information available.

Target Organ Effects Eyes. Skin. Respiratory system. Bone. Lungs.
Aspiration Hazard Not applicable

Section 12. Ecological information

12.1. Toxicity

Ecotoxicity Effects

May cause long-term adverse effects in the aquatic environment. EC50/72h/Skeletonema costatum = 11 mg/L.
LC50/96h/Scophthalmus maximus = >1800 mg/L. Aquatic toxicity is unlikely due to low solubility. Sea sediment
LC50/10d/Corophium sp. = >12168 mg/kg.

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|---|-------------------|---|----------------------------|-----------------------------------|
| Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc. | >1001 mg/l | LC50 96 h: > 2000 mg/L (Salmo gairdneri) | | |
| Chemical Name | Toxicity to algae | Toxicity to fish | Toxicity to microorganisms | Toxicity to aquatic invertebrates |
| Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc. | EC50 >1001 mg/l | LC50 >1000 mg/l | | LC50 = 247.2 mg/l |

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

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.

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 | Not regulated. |
| 14.2. Proper Shipping Name | Not regulated. |
| 14.3. Hazard Class | Not regulated. |
| 14.4. Packing Group | Not regulated. |
| Description | Not applicable. |
| 14.5. Marine Pollutant | None. |
| 14.6. Special Provisions | None. |
| 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 | Not regulated. |
| 14.2. Proper Shipping Name | Not regulated. |
| 14.3. Hazard Class | Not regulated. |
| 14.4. Packing Group | Not regulated. |
| Description | Not applicable. |
| 14.5. Environmental hazard | None. |
| 14.6. Special Provisions | None. |

ADR

| | |
|----------------------------|-----------------|
| 14.1. UN-Number | Not regulated. |
| 14.2. Proper Shipping Name | Not regulated. |
| 14.3. Hazard Class | Not regulated. |
| 14.4. Packing Group | Not regulated. |
| Description | Not applicable. |
| 14.5. Environmental hazard | None. |
| 14.6. Special Provisions | None. |

ICAO

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

IATA

| | |
|----------------------------|-----------------|
| 14.1. UN-Number | Not regulated. |
| 14.2. Proper Shipping Name | Not regulated. |
| 14.3. Hazard Class | Not regulated. |
| 14.4. Packing Group | Not regulated. |
| Description | Not applicable. |
| 14.5. Environmental hazard | None. |
| 14.6. Special Provisions | None. |

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 | - |
| EINECS/ELINCS | Complies |
| DSL/NDSL | Not determined |
| PICCS | Complies |
| ENCS | Not determined |
| IECSC | Complies |
| AICS | Not determined |
| 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

Key literature references and sources for data

www.ChemADVISOR.com/

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Revision Note (M)SDS sections updated: 8.

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

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End of Safety Data Sheet