



SAFETY DATA SHEET

Issuing Date 29-Apr-2015

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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) 170

Product Name JET-LUBE® RUN N SEAL™

Synonyms RUN N SEAL™ ; 987 - ILEX RUN N SEAL

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: +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

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

Physical Hazards

None

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) Not dangerous

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

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. Substances

| Chemical Name | EC-No | CAS-No | Weight % | Classification | EU - GHS Substance Classification | REACH No. |
|---------------|----------------------|------------|----------|----------------|-----------------------------------|-------------------|
| Graphite | 231-955-3 | 7782-42-5 | 20-25 | - | | No data available |
| Talc | 238-877-9 | 14807-96-6 | 5-10 | - | | No data available |
| Mica | EEC No. 310-127-6 | 12001-26-2 | 5-10 | - | | No data available |
| Calcium oxide | Present | 1305-78-8 | 1-2 | - | | 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

| | |
|---------------------|---|
| 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).
 Halogenated compounds.

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 |
|-----------------------|----|--|--------------------------|-----------------------------|--|
| Graphite 7782-42-5 | | STEL: 30 mg/m ³ STEL: 12 mg/m ³ TWA: 10 mg/m ³ TWA: 4 mg/m ³ | VME: 2 mg/m ³ | VLA-ED: 2 mg/m ³ | MAK: 1.5 mg/m ³ MAK: 4 mg/m ³ |
| Talc 14807-96-6 | | STEL: 3 mg/m ³ TWA: 1 mg/m ³ | | TWA: 2 mg/m ³ | |
| Mica 12001-26-2 | | STEL: 2.4 mg/m ³ STEL: 30 mg/m ³ TWA: 0.8 mg/m ³ TWA: 10 mg/m ³ | | VLA-ED: 3 mg/m ³ | |

| | | | | | |
|------------------------------------|---|--|--|---|---|
| Calcium oxide 1305-78-8 | | STEL: 6 mg/m ³ TWA: 2 mg/m ³ | TWA: 2 mg/m ³ | TWA: 2 mg/m ³ | |
| Component | Italy | Portugal | The Netherlands | Finland | Denmark |
| Graphite 7782-42-5 (20-25) | | TWA: 2 mg/m ³ | | TWA: 2 mg/m ³ | TWA: 2.5 mg/m ³ |
| Talc 14807-96-6 (5-10) | | TWA: 2 mg/m ³ | TWA: 0.25 mg/m ³ | TWA: 0.5 fiber/cm ³ TWA: 5 mg/m ³ | TWA: 0.3 fiber/cm ³ |
| Mica 12001-26-2 (5-10) | | TWA: 3 mg/m ³ | | | |
| Calcium oxide 1305-78-8 (1-2) | | TWA: 2 mg/m ³ | | TWA: 2 mg/m ³ | TWA: 2 mg/m ³ |
| Chemical Name | Austria | Switzerland | Poland | Norway | Ireland |
| Graphite 7782-42-5 | STEL 10 mg/m ³ MAK: 5 mg/m ³ | MAK: 2.5 mg/m ³ MAK: 5 mg/m ³ | NDS: 4.0 mg/m ³ NDS: 1.0 mg/m ³ NDS: 6.0 mg/m ³ | TWA: 5 mg/m ³ TWA: 2 mg/m ³ TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 10 mg/m ³ STEL: 4 mg/m ³ STEL: 20 mg/m ³ STEL: 8 mg/m ³ | TWA: 10 mg/m ³ TWA: 4 mg/m ³ |
| Talc 14807-96-6 | TWA: 2 mg/m ³ | TWA: 2 mg/m ³ | TWA: 4.0 mg/m ³ TWA: 1.0 mg/m ³ | TWA: 6 mg/m ³ TWA: 2 mg/m ³ STEL: 12 mg/m ³ STEL: 4 mg/m ³ | TWA: 10 mg/m ³ TWA: 0.8 mg/m ³ |
| Mica 12001-26-2 | MAK: 10 mg/m ³ | MAK: 3 mg/m ³ | | TWA: 6 mg/m ³ TWA: 3 mg/m ³ STEL: 12 mg/m ³ STEL: 6 mg/m ³ | TWA: 10 mg/m ³ TWA: 0.8 mg/m ³ |
| Calcium oxide 1305-78-8 | STEL 4 mg/m ³ TWA: 2 mg/m ³ | STEL: 2 mg/m ³ TWA: 2 mg/m ³ | STEL: 6 mg/m ³ TWA: 2 mg/m ³ | Ceiling: 2 mg/m ³ | TWA: 2 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.
Respiratory Protection None required under normal usage. Respirator must be worn if exposed to dust.

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** Black
Odor Petroleum Oil-Pungent

| <u>Property</u> | <u>Values</u> | <u>Remarks/ - Method</u> |
|------------------------------------|---------------------|--------------------------|
| pH | Neutral | None known |
| Melting Point/Range | 260 °C / 500 °F | None known |
| Boiling Point/Boiling Range | < 316 °C / 600.8 °F | 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 | 1.22 | None known |
| Water Solubility | Negligible | 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 information available | |
| Oxidizing Properties | No information available | |

9.2. Other information

| | |
|----------------------------|-------------------|
| VOC Content (%) | Negligible |
| 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. May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------|---------------------|-------------|-----------------|
| Calcium oxide | = 500 mg/kg (Rat) | | |

Sensitization

No information available.

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

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) |
|---------------|-------------------|---|----------------------------|----------------------------|
| Talc | | LC50 96 h: > 100 g/L semi-static (Brachydanio rerio) | | |
| Calcium oxide | | LC50 96 h: = 1070 mg/L static (Cyprinus carpio) | | |

12.2. Persistence and degradability

Not readily 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.

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 = nwg

International Inventories

| | |
|----------------------|----------|
| TSCA | Complies |
| EINECS/ELINCS | Complies |
| DSL/NDSL | Complies |
| PICCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| AICS | Complies |
| KECL | 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**

None.

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

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End of Safety Data Sheet