

Safety Data Sheet



according to Regulation (EU) No. 1907/2006

JAX109 Food-Grade Penetrating Oil (AEROSOL)

Print date : 06.04.2009

Product code : 302

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1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

JAX109 Food-Grade Penetrating Oil (AEROSOL)

Use of the substance/preparation

Lubricant and additive.

Company/undertaking identification

Company name : Pressure-Lube, INC., www.jax.com, USA
 c/o FINKE Mineralölwerk GmbH

Street : Rudolf-Diesel-Straße 1

Place : D-27374 Visselhövede

Telephone : +49 4262 798

Telefax : +49 4262 79-9519

e-mail (competent person) : sicherheitsdatenblatt@finke-mineraloelwerk.de

Internet : www.finke-mineraloelwerk.de

Inquiry office : Technical service.

Emergency telephone : +49 4262 9601 (This number is serviced during office hours only.)

2. Hazards identification

Classification

Indications of danger : Extremely flammable
 R-phrases :
 R 12 Extremely flammable.

3. Composition/information on ingredients

Chemical characterization (Mixture)

chemical characterization (preparation) : Spezialschmiermittel/ special lubricants.

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
203-448-7	106-97-8	butane	> 20 %	F+ R12
265-151-9	64742-49-0	Special boiling point spirit 60/95	> 10 %	F R11
200-827-9	74-98-6	propane	> 2,5 %	F+ R12

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures

General information

Take off immediately all contaminated clothing.

After inhalation

Provide fresh air. Seek medical attention if problems persist.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Caution if victim vomits: Risk of aspiration! Medical treatment necessary.

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Advice to doctor

Caution if victim vomits: Risk of aspiration!

5. Fire-fighting measures

Suitable extinguishing media

Carbon dioxide (CO₂). Dry extinguishing powder. Foam.

Extinguishing media which must not be used for safety reasons

High power water jet.

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

In case of fire and/or explosion do not breathe fumes.

Special protective equipment for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Contaminated fire-fighting water must be collected separately. Extinguishing materials should be selected according to the surrounding area.

6. Accidental release measures

Personal precautions

Remove all sources of ignition. Provide adequate ventilation.

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods for cleaning up/taking up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

7. Handling and storage

Handling

Advice on safe handling

Use only in well-ventilated areas. Keep away from sources of ignition - No smoking. Flammable vapours can accumulate in steam space of closed systems. Caution! Transport usually takes place at temperatures above the flash point.

Advice on protection against fire and explosion

Take precautionary measures against static discharges. Vapours may form explosive mixtures with air.

Further information on handling

Heating causes rise in pressure with risk of bursting.

Storage

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Further information on storage conditions

Protect against: heat.

Storageclass (VCI) : 2B

8. Exposure controls/personal protection

Exposure limit values



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Exposure limits (EH40)

CAS-No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL
110-54-3	n-Hexane	20	72		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

Additional advice on control parameters
Critical value of air: : 1000 mg/m³ (naphtha)
Exposure controls
Protective and hygiene measures

Work in well ventilated zones or use proper respiratory protection. Do not eat, drink, smoke or sneeze at the workplace.

Respiratory protection

If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn. Filter respirator (DIN EN 147). AX

Hand protection

Protect skin by using skin protective cream. Hand protection: NBR (Nitrile rubber). Thickness of glove material: 0,45 mm penetration time (maximum wearing period): 240 min.

Eye protection

Tightly sealed safety glasses.

Skin protection

Skin protection: not required.

9. Physical and chemical properties
General information

Physical state : Aerosol
 Colour : transparent
 Odour : characteristic

Important health, safety and environmental information

Test method

Changes in the physical state

Flash point : < 0 °C
 Lower explosion limits : 0,6 vol. %
 Upper explosion limits : 6,5 vol. %
 Vapour pressure : 3500 hPa
 (at 20 °C)
 Vapour pressure : 7000 hPa
 (at 50 °C)
 Density (at 20 °C) : 0,73 g/cm³

Other information

Ignition temperature : > 250 °C

10. Stability and reactivity
Conditions to avoid

Ignition hazard.



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Materials to avoid

Oxidizing agents, strong.

Additional information

Danger of bursting container: >50 °C

11. Toxicological information**Acute toxicity**

LD50: >5000 mg/kg rat

LD50: >3000 mg/kg rab

12. Ecological information**Further information**

Doesn't get into the sewage water as long as the process is carried out according to regulations.

13. Disposal considerations**Advice on disposal**

Waste disposal according to official state regulations.

Waste disposal number of contaminated packaging

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing dangerous substances. Classified as hazardous waste.

14. Transport information**Land transport (ADR/RID)**

UN number : 1950

ADR/RID class : 2

Classification code : 5F

Warning plate

Hazard label : 2.1

Limited quantity : LQ2

Description of the goods

AEROSOLS

Other applicable information (land transport)

Special provisions: 190 - 327 - 625

Transport category: 2

Tunnel restriction code: D

Inland waterways transport

UN number : 1950

ADNR class : 2

Classification code : 5F

Hazard label : 2.1

Limited quantity : LQ2

Description of the goods

AEROSOLS

Other applicable information (inland waterways transport)

Special provisions: 190 327 625

Marine transport

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UN number : 1950
 IMDG code : 2
 Marine pollutant : •
 Hazard label : 2, see SP63
 IMDG packing group : -
 EmS : F-D, S-U
 Limited quantity : See SP277

Description of the goods

AEROSOLS

Other applicable information (marine transport)

Special provisions: 63, 190, 277, 327, 959

Air transport

UN/ID number : 1950
 ICAO/IATA-DGR : 2.1
 Hazard label : 2.1
 Limited quantity Passenger : -
 IATA-packing instructions - Passenger : Forbidden
 IATA-max. quantity - Passenger : Forbidden
 IATA-packing instructions - Cargo : 203
 IATA-max. quantity - Cargo : 150 kg

Description of the goods

AEROSOLS

15. Regulatory information**Labelling**

Danger symbols : F+ Extremely flammable



F+ Extremely flammable

Hazardous component(s) to be indicated on label

propane / butane

R phrases

12 Extremely flammable.

S phrases

02 Keep out of the reach of children.
 16 Keep away from sources of ignition - No smoking.
 23 Do not breathe vapour/Aerosol.

Special labelling for certain preparations

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

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

National regulatory information

Water contaminating class (D) : 1 - slightly water contaminating

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16. Other information

Full text of R-phrases referred to under sections 2 and 3

- 11 Highly flammable.
- 12 Extremely flammable.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)



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