

# SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006.

Product name: AVIATICON FETT EP-SAL  
Revised: 06/03/2009

Date: 06/03/2009  
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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### 1.1 Identification of substance or preparation

- 1.1.1 Trade name: AVIATICON FETT EP-SAL  
1.1.2 Use of the substance/the preparation: Grease.

### 1.2 Company/undertaking identification

Supplier (manufacturer/importer/downstream user/distributor):

FINKE MINERALÖLWERK GMBH, Rudolf-Diesel-Straße 1, D-27374 Visselhövede

Telephone: (Germany ++49) - 04262 798

Fax: (Germany ++49) - 04262 799519

Department responsible for information: Technical service.

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

Emergency telephone: (Germany ++49) - 04262 79-9601 (This number is serviced during office hours only.)

## 2. HAZARDS IDENTIFICATION

2.1 Classification: Not classified as dangerous under EC criteria.

R-Phrases: none

2.2 Information pertaining to special dangers for human and environment: The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

This product is not considered to be especially hazardous to health, but should be handled in accordance with good industrial hygiene and safety practices.

Environmental hazards: Not classified as dangerous under EC criteria.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 **Chemical characterization**                      **Substance:** [ ]                      **Preparation:** [ X ]

3.1.1 Chemical characterization (preparation): Lubricating grease. Composition of calcium soap and mineral oil with solid lubricant.

3.1.2 Hazard ingredients:

<u>Chemical name</u>	<u>EC-No.</u>	<u>CAS-No.</u>	<u>Content, unit</u>	<u>Hazard symbol(s)</u>	<u>R-Phrases</u>
Zinc dialkydithiophosphate	EINECS: 224-235-5	-	< 2,5 wt.-%	N	51/53

3.1.3 Additional information: No component is present at sufficient concentration to require a hazardous classification for health in accordance with EC legislation. Full text of R-Phrases: see section 16.

## 4. FIRST AID MEASURES

4.1 General information: No special measures required. Remove and clean stained or soaked clothing immediately. Consult a physician if problems persist.

4.2 In case of inhalation: Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.

4.3 In case of skin contact: Wash skin thoroughly with soap and plenty of water.

4.4 In case of eye contact: In case of contact with eyes, rinse immediately thoroughly with plenty of water and consult an ophthalmologist.

4.5 In case of ingestion: Seek medical advice. If contamination of the mouth occurs, wash out thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

4.6 Self-protection of the first aider: First aider: Pay attention to self-protection.

4.7 Information to physician: Treatment should in general be symptomatic. If aspiration should occur, transport casualty immediately to hospital.

## 5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media: Use foam, dry chemical powder, sand or carbon dioxide (CO<sub>2</sub>).

5.2 Extinguishing media which must not be used for safety reasons: Do not use water.

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: Carbon monoxide, carbon dioxide, sulphur dioxide and other toxic fumes may be evolved on burning or exposure to strong heat.

5.4 Special protective equipment for fire-fighters: Full protective clothing and self-contained breathing apparatus.

5.5 Additional information: Water may be used to cool nearby heat exposed areas/objects/packages.

## 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: Use personal protective equipment. Avoid contact with skin and eyes. Particular danger of slipping on leaked/spilled product.

6.2 Environmental precautions: Prevent contamination of soil and water.

6.3 Methods for cleaning up: Prevent from spreading by making a barrier with sand, earth or other containment material. Remove with shovel. Absorb remains with sand or other suitable inert absorbent material.

6.4 Additional information: In case of large spills contact the appropriate authorities.

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## 7. HANDLING AND STORAGE

### 7.1 Handling

7.1.1 Advices on safe handling: If properly used no special handling precautions required. When handling heavy containers, wear safety shoes and use suitable tools. Avoid contact with eyes. Avoid contact with fresh or used product. Good working practices, high standard of personal hygiene and plant cleanliness must be maintained at all times. Wash hands thoroughly after contact.

7.1.2 Precautions against fire and explosion: No special measures required.

7.1.3 Further information: none

### 7.2 Storage

7.2.1 Requirements for storage rooms and vessels: Keep in original containers only. Keep containers dry.

7.2.2 Hints on storage assembly: Do not store together with oxidizing agents. Do not store in the same place with foodstuffs.

7.2.3 Further information on storage conditions: Protect against pollution. Avoid direct sunlight. Storage temperatures: ambient.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 **Exposure limit values:** Ensure good ventilation. Avoid, as far as reasonably practicable, inhalation of vapour, mists or fumes generated during use. If vapour, mists or fumes are generated, their concentration in the workplace air should be controlled to the lowest reasonably practicable level. Comply with current local occupational exposure limit. Where not established, it is recommended that mineral oil mists are kept below 5 mg/m<sup>3</sup> (8 hr TWA).

CAS No	Component name	Code	Value	Unit	Remark
	oil mist	8 hours	5	mg/m <sup>3</sup>	TWA, 5 h

8.1.2 Additional Information: The lists valid during the making were used as basis.

### 8.2 Personal protection equipment

8.2.1 Respiratory protection: Not required in normal case.

8.2.2 Hand protection: Protective gloves.

*Material of gloves:* Nitrile rubber, NBR.

*Penetration time of glove material:*

Nitrile: thickness 0,4 mm, breakthrough time > 240 min.

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

8.2.3 Eye protection: Not normally required. If contact may reasonably be anticipated, a full face visor or chemical goggles as appropriate should be worn.

8.2.4 Body protection: Standard issue work clothes.

8.2.5 General protective and hygiene measures: The usual precautionary measures are to be adhered to when handling chemicals. Do not eat and drink while working. Keep away from food and drink. Change heavily contaminated clothing as soon as reasonable practicable. Wash any contaminated underlying skin with soap and water. Avoid contact with eyes. Avoid close or long term contact with the skin. Wash hands thoroughly after contact. After washing the application of a suitable conditioning cream may help to prevent cracking, fissuring or dryness of the skin. Don't keep oily rags in your pockets.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Appearance

9.1.1 Physical state: pasty

9.1.2 Colour: white, cream-coloured

9.1.3 Odour: characteristic

### 9.2 Important health, safety and environmental information

#### Safety relevant basic data

9.2.1 pH value: g/l water at °C

Not applicable.

9.2.2 Boiling point/range:

No data available.

9.2.3 Melting point/range: dropping point

> 100 °C

DIN/ISO 2176

9.2.4 Flash point: (base oil)

> 200 °C

DIN/ISO 2592

9.2.5 Inflammability (solid/gaseous):

No data available.

9.2.6 Inflammation point:

No data available.

9.2.7 Autoignition (solid/gaseous):

Product is not selfigniting.

9.2.8 Fire hazard properties:

No data available.

9.2.9 Explosion limits: lower % upper %

No data available.

Product does not present an explosion hazard.

9.2.10 Vapour pressure: at 20 °C

< 0,1 hPa

9.2.11 Density: at 20 °C

Approximately 0,92-0,96 g/cm<sup>3</sup>

9.2.12 Solubility in water: at 20 °C

Nearly insoluble.

9.2.13 n-Octanol/water partition coefficient:

No data available.

9.2.14 Viscosity, kinematic: at 40 °C (base oil)

Approximately 800 mm<sup>2</sup>/s

DIN 51562/T1

9.2.15 Solvent content: %

9.3 **Other information:** The data are subject to usual tolerances.

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## 10. STABILITY AND REACTIVITY

- 10.1 Conditions to avoid: Products of this type are stable and unlikely to react in a hazardous manner under normal conditions of use. This material is combustible.
- 10.2 Materials to avoid: Avoid contact with strong oxidizing agents.
- 10.3 Hazardous decomposition products: Thermal decomposition can produce a variety of compounds, the precise nature of which will depend on the decomposition conditions. Incomplete combustion/thermal decomposition will generate smoke, carbon dioxide, carbon monoxide and sulphur dioxide.
- 10.4 Further remarks: none

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Acute effects (toxicity tests)

#### 11.1.1 Acute toxicity:

<i>Acute toxicity:</i>	<i>Effective dose:</i>	<i>Species:</i>	<i>Method:</i>	<i>Remark:</i>
<i>Oral</i>	LD50	Rat		No data available for the product.
<i>Dermal</i>	LD50	Rabbit		No data available for the product.
<i>Inhalative</i>	LC50	Rat		No data available for the product.

11.1.2 Specific symptoms in animal studies: No data available for this formulation.

#### 11.1.3 Irritant and corrosive effects:

*Irritant effect on the skin:* Unlikely to cause harm to the skin on brief or occasional contact.

*Irritant effect on the eyes:* No irritant effects.

*Irritant effect on the respiratory tract:* Normally low inhalation risk due to low volatility. High temperatures or mechanical processing may form oil mist, vapours or smoke which may irritate the respiratory system.

#### 11.1.4 Sensitization:

*In case of skin contact:* No sensitizing effects known.

*In case of inhalation:* No sensitizing effects known.

*Remark:* none

11.1.5 Repeated dose toxicity (sub-acute to chronic toxicity): Repeated or prolonged exposure may cause irritation to eyes and skin.

11.1.6 CMR effects (carcinogenity, mutagenicity and toxicity for reproduction): No particulars available.

### 11.2 Experiences made in practice

11.2.1 Observations relevant to classification:

11.2.2 Other observations:

11.3 **General remarks:** When used and handled according to specifications, this product doesn't have any particular harmful effects according to our experience and the information provided to us.

## 12. ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

12.1.1 Aquatic toxicity: No data available.

### 12.2 Mobility

12.2.1 Known or predicted distribution to environmental compartments: Not soluble in water.

12.2.2 Adsorption/Desorption: No data available.

12.3 **Persistence and degradability:** Not expected to be readily biodegradable.

12.3.1 Bioaccumulative potential: No data available.

12.4 **Other adverse effects:** This product is a mixture of non-volatile components, which are not expected to be released to air in any significant quantities.

12.5 **Further ecological information:** Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Product

13.1.1 Recommendation: Disposal in accordance with local and national regulations. Dispose to licensed disposal contractor. Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

13.1.2 Waste codes / waste designations according to EWC / AVV: EWC-Code 1201 12 (used Wax and Greases). The waste disposal code is just a recommendation. Contact your local experts to obtain information about use or disposal of the material involved. The indication about disposal refers to the product and its residues. If the product is mixed with other materials or preparations an individual evaluation should be necessary. Classification of waste is always the responsibility of the end user.

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## 13.2 Appropriate packaging

- 13.2.1 Recommendation: Contaminated packages should be optimally emptied and can be reused when adequately cleaned. Disposal must be made according to official regulations.
- 13.2.2 Recommendet detergent: No data available.

13.3 **Additional information**: none

## 14. TRANSPORT INFORMATION

- 14.1 Land transport (ADR/RID): Not classified as hazardous for transport.
- 14.2 Sea transport (IMDG-Code/GGVSee): Not classified as hazardous for transport.
- 14.3 Air transport (ICAO/IATA-DGR): Not classified as hazardous for transport.

## 15. REGULATORY INFORMATION

### 15.1 EU regulations

#### 15.1.1 Chemical Safety Assessment:

For this preparation a chemical safety assessment has not been carried out.

#### 15.1.2 Labelling

Hazard symbols and hazard statements: No special labelling required.

This product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV). Observe the general safety regulations when handling chemicals.

Hazard components for labelling: none

R-Phrases: none

S-Phrases: none

Special provisions concerning the labelling of certain preparations: Safety data sheet available for professional user on request.

#### 15.1.3 Other EU regulations:

### 15.2 National regulations (Germany)

- 15.2.1 Restrictions of occupation:
- 15.2.2 Chemikalienverbotsverordnung: Not applicable.
- 15.2.3 Störfallverordnung (12. BImSchV):
- 15.2.4 Betriebssicherheitsverordnung (BetrSichV): Not classified.
- 15.2.5 Technische Anleitung Luft (TA-Luft):
- 15.2.6 Wassergefährdungsklasse (water hazard class): WGK 1 [classification, according to VwVwS (27.07.05)/Administrative regulations on the classification of water contaminants], slightly hazardous for water.
- 15.2.7 Other regulations, restrictions and prohibition regulations: Pay attention to VAwS (regulations for plants handling water hazardous substances) of the different federal states in Germany.

## 16. OTHER INFORMATION

- 16.1 Full text of risk phrases referred to in section 2 and 3:  
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 16.2 Further information: This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
- 16.3 Issued by: Technical service. Telephone: (Germany ++49) - 04262 79-9601.
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