

according to 91/155/EWG

Page 1/5

Issue date: 23.06.1995 Revision date: 16.12.2002 Print date: 03.12.04

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

• Product information

Commercial Name
 Flor Plus Super Grease 1400
 Prod.-No.: 187

US-Classification: HCC F1

• Producer / Supplier:

Flore-Chemie GmbH

 Züchnerstr. 2a
 Phone: 0261/88922-2

 56070 Koblenz
 Telefax: 0261/88922-88

• **Information:** Phone 0261/88922-2

Emergercy Information: Flore-Chemie GmbH, Phone: 0261/88922-2

2. COMPOSITION/INFORMATION ON INGREDIENTS

• Chemical characteristics:

Preparation of hydrocarbons, mineral oil products with addtives.

• Components contributing to hazard:

CAS-No.	Name	%	Symbol	Risk phrases
74-98-6	Propane	>20 < 30	F+	12
106-97-8	Butane	>20 < 30	F+	12

3. HAZARDS IDENTIFICATION

Description of danger:

"F+", highly flammable

Special risk measures for persons and environment:

R 12: highly flammable

4. FIRST AID MEASURES

General advices:

In case of any sympthoms or doubt, seek medical advice. Take off contaminated clothes and shoes immediatly and clean well before reuse. In case of unconsciousness get person immedetiatly into lateral position. Transport person only in lateral position.

• Inhalation:

Fresh air. In case of respiration stop or irregular breathing start artificial respiration. Get person out of danger zone immediatly.

Skin contact:

Rinse with water and soap immediatly . Don't use solvents!

Eye contact:

Keep eyelid open and rinse for approx. 15 mins. with plenty of clean running water; seek medical advice immediatly.

Ingestion:

Don't let person vomit

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Powder, CO₂, alcohol resistant foam, water spraying jet

Not suitable extinguishing media:

Water full jet

Special risks caused by hazardous combustion products:

In case of fire Carbon dioxide, Carbon monoxide may set free

Protection of firefighters:

Circulation air-independent respirator. Wear protective clothing.



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Page 2/5

Commercial name: Flor Plus Super Grease 1400				ProdNo.:	187	
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6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Please see chapter 7 and 8. Ensure goog ventilation. Keep away igniton sources.

• Environmental precautions:

Do not empty into drains. Inform local authorities in case of contamination of open waters.

Methods of cleaning up:

Absorbe the product with liquid-binding material and dispose off according to local regulations.

7. HANDLING AND STORAGE

- Handling
- Safety measures:

Ensure good ventilation. Keep away ignition sources. Refer to safety and use measures on box.

• Measures to avoid fire and explosion:

Don't smoke. Keep away igniton sources. Formation of explosive gas-air-mixtures possible.

Storage:

Keep containers tightly closed, store cool and upright. Keep only in orginal container. Please see TRG 300 Nr. 2.8 - 2.9 and 6.1 - 6.4.4

Storage together with other goods:

Observe all regulations given for handling with flammable liquids

• Further storage advices:

Protect against heat and direct sunlight. Keep container tightly closed. Don't store with termperatures higher than 50° C. Storage places with more than 500 aerosols must be indicated referring to paragraph 24 receiver regulation. Keep in cool place, Heating may cause increase pressure and burst.

VCI Storage class 2 B Aerosols / pressurized package

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

• Exposure guidlines engeneering controls: MAK = Maximum Workplace Concentration

 MAK
 Substance
 Value

 TRGS900 1000 ml/m3
 Propane
 4

 TRGS900 1000 ml/m3
 Butane
 4

 TRGS 150
 H

General protective measures

Avoid contact with eyes and skin. Do not eat, drink or smoke during the work. Keep away of food. Wash the hands before every break. Do not breathe the vapour.

- Protective equipment:
- Respiratory protection:

Wear respirator during work

Hand protection:

Solvent-resistant protective gloves

• Eye protection:

Protective glasses



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Page 3/5

Issue date: 23.06.1995 Revision date: 16.12.2002 Print date: 03.12.04

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: aerosolColour: white

• Odour: Product specification

<u>Value/range</u> <u>Unit</u> <u>Methode</u>

Change of state:

Melting point/melting range:

• Boiling point/boiling range: 0,1 mm DIN ISO 2137 walk

penetration

• Flash point: < 0 ° C DIN 51801

• Autoflammability: n. a.

• Explosive properties: n.a.

• Explosion limit: lower: 1,5 Vol. % upper: 9,5 Vol. %

• **Density:** (20 °C) ca. 0.94 g/ml

Solubility in water: (20° C) Non-mixable

10. STABILITY AND REACTIVITY

Conditions to avoid:

Don't store in higher temperation as 50 °C.

Materials to avoid:

Acids, oxidation components

Hazardous decomposion products:

None known

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

LD 50 > 2000 mg/kg species: rat

Ingestion:

Ingestion may cause lung damage, headache, nausea, vomit

• Skin:

Irritation is possible

Eyes:

Irritation is possible

12. ECOLOGICAL INFORMATION

General advices:

No information about preparation. Do not empty into drains. Do not deposit on public dumps.

13. DISPOSAL CONSIDERATION

- Product
- Recommendation:

Dispose off according to the measures of local authorities. Only dispose total empty aerosols.



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Page 4/5

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14. TRANSPORT INFORMATION

Overland transport ADR/RID:

ADR/RID-Label
 Package group:
 Propper shipment name:
 aerosols

Kemler Code:

• **UN-Number**: **UN**1950

Transport on sea IMDG/GGVSee:

IMDG/GGVSea-Class: 2.1
 Page: 2102
 contains: Aerosol
 UN-Number: 1950
 Group: II
 EMS-Number: 2-13

MFAG-Number:Marine pollutant:

Air transport ICAO-TI and IATA-DGR: Not in use

ICAO/IATA-class:UN/ID-number:

• Group:

15. REGULATORY INFORMATION

EEC classification and user label information:

The product is labelled according to EEC regulations/ GefStoffV.

- Hazardous symbol and chemical name:
- "F+" highly flammable
- Risk phrases:

12: highly flammable

Safety phrases:

2: Keep out of reach of children

16: Do not smoke, keep away of ingnition sources

23.4: Do not breathe aerosol

51: Usage only in well-ventilated areas.

Container is under pressure. Protect against direct sunlight and temperatures above 50°C. Even after use, do not force open and do not incinerate. Do not spray into flame or hot objects. Keep away of sources of ignition. No smoking. Keep out of reach of children. In case of insufficient ventilation, development of explosive mixture is possible. Do not breathe the aerosol. Use only in well ventilated areas. Contains Propane/Butane.

• Water hazardous class: WGK 2 (acc. to VwVwS, Appendix 4, point 3)

16. OTHER INFORMATION

All information given in this Safety Data Sheet are given to the best of our knowledge and fulfill the national
and EEC Law. We do not have any control or influence on the work conditions of the user. The user is
resposible to fulfill all the necessary rules of the law. All information given in this Safety Data Sheet is a
description of the safety requirements of our product. They neither represent a contractual guarantee of the
product's property, nor do they establish a contractual legal relationship.