

Material Safety Data Sheet

According to 91/155 EC

Printing date 30.05.2002

Reviewed on 30.05.2002

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

- **Product details**
- **Trade name: Callusan**
- **Article number: Callusan, Cream Mousse**
- **Application of the substance / the preparation** Skin cosmetics
- **Manufacturer/Supplier:**
 Greppmayr Footcare GmbH
 Gautinger Strasse 40a
 D-82061 Neuried / Germany
 Tel.: +49 (0)89 7596969-0
 Fax: +49 (0)89 7596969-69
- **Further information obtainable from:** Mr. A. Greppmayr

2 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 56-81-5 EINECS: 200-289-5	glycerol	2.5-10%
CAS: 106-97-8 EINECS: 203-448-7	butane	2.5-10%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Hazard description:**



F Highly flammable

- **Information concerning to particular hazards to man and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Warning! Pressurized container.

R 11 Highly flammable.

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

8.0 % by mass of the contents are flammable

Keep out of the reach of children

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4 First-aid measures

- **General information:** Take affected persons out of danger area and lay down.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Wash with plenty amounts of water.

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Immediately remove any clothing soiled by the product.
If skin irritation continues, consult a doctor.

- **After eye contact:**
Rinse opened eye for several minutes under running water.
Call a doctor immediately.
- **After swallowing:** If symptoms persist consult doctor.

* 5 Fire-fighting measures

- **Suitable extinguishing agents:**
Water spray
Alcohol resistant foam
Carbon dioxide
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
During heating or in case of fire harmful gases are produced.
- **Protective equipment:** Wear fully protective suit.

* 6 Accidental release measures

- **Person-related safety precautions:** Ensure adequate ventilation
- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
Prevent from spreading (e.g. by damming-in or oil barriers).
- **Measures for cleaning/collecting:** Absorb liquid components with liquid-binding material.

* 7 Handling and storage

- **Handling:**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Observe official regulations on storing packagings with pressurized containers.
Store only in unopened original receptacles.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Protect from heat and direct sunlight.
Store in cool, dry conditions in well sealed receptacles.
- **Storage class:**
- **Class according to regulation on flammable liquids:** Void

* 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

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· Ingredients with limit values that require monitoring at the workplace:
56-81-5 glycerol
OES Long-term value: 10 mg/m³
74-98-6 propane

OES Asphyxiant

106-97-8 butane

 OES Short-term value: 1810 mg/m³, 750 ppm
 Long-term value: 1450 mg/m³, 600 ppm

 · **Additional information:** The lists valid during the making were used as basis.

 · **Personal protective equipment:**

 · **Respiratory protection:** Not required.

 · **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

 · **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

 · **Penetration time of glove material**

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

 · **Eye protection:** Not required.

 · **Body protection:** Not required.

9 Physical and chemical properties

· General Information

Form:	Aerosol
Colour:	White
Odour:	Characteristic

· Change in condition
Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Not applicable, as aerosol.

· Flash point: Not applicable, as aerosol.

· Ignition temperature: 400.0°C

· Self-igniting: Product is not selfigniting.

· Danger of explosion: Product does not present an explosion hazard.

· Explosion limits:
Lower: 1.5 Vol %

Upper: 9.5 Vol %

· Vapour pressure at 20°C: 23.0 hPa

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· Density:	Not determined.
· Solubility in / Miscibility with water:	Partly soluble.
· Solvent content:	
Organic solvents:	16.6 %
Water:	68.8 %
· Solids content:	14.6 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

12 Ecological information

- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

* 13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue

15 01 04	metallic packaging
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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

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14 Transport information

· Land transport ADR/RID (cross-border)



- ADR/RID class: 2 Gases.
- Item: 5 F
- Danger code (Kemler): -
- UN-Number: 1950
- Hazard label 3
- Description of goods: 1950 Aerosols

· Maritime transport IMDG:



- IMDG Class: 2
- Page: 2102
- UN Number: 1950
- Label 2.1
- Packaging group: -
- EMS Number: 2-13
- MFAG: 620
- Marine pollutant: No
- Proper shipping name: Aerosols

· Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 2.1
- UN/ID Number: 1950
- Label 2.1
- Packaging group: -
- Proper shipping name: Aerosols, flammable, n.o.s, propane, butane

15 Regulatory information

· Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· Code letter and hazard designation of product:



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· Risk phrases:

11 Highly flammable.

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- **Safety phrases:**

- 2 Keep out of the reach of children.
- 9 Keep container in a well-ventilated place.
- 16 Keep away from sources of ignition - No smoking.
- 23 Do not breathe aerosol.
- 46 If swallowed, seek medical advice immediately and show this container or label.
- 51 Use only in well-ventilated areas.

- **Special labelling of certain preparations:**

- Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
- 8.0 % by mass of the contents are flammable
- Keep out of the reach of children

- **National regulations:**

- **Classification according to VbF:** Void

- **Technical instructions (air):**

Class	Share in %
Wasser	68.8
III	8.0

- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

* **16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Contact:** Mr. A. Greppmayr
- * **Data compared to the previous version altered.**

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