SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Callusan Cremeschaum

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant uses

Cosmetics
Skin care

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

Greppmayr GmbH
Hainbuchenring 4
82061 Neuried / GERMANY
Phone +49 (89) 759 69 69-0
Fax +49 (89) 759 69 69-69
Homepage www.greppmayr.de
E-mail info@greppmayr.de

Address enquiries to

Technical information info@greppmayr.de

Safety Data Sheet sdb@chemiebuero.de

1.4 Emergency telephone number

Advisory body +49 (0)89-19240 (24h) (english)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Aerosol 3: H229 Pressurised container: May burst if heated.

2.2 Label elements

The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).

Hazard pictograms none

Signal word WARNING

Hazard statements H229 Pressurised container: May burst if heated.

Precautionary statements
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251 Do not pierce or burn, even after use.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122°F.

Special labelling Contains ca. 8 percent by mass flammable ingredients.

2.3 Other hazards

Physico-chemical hazards Heat causes increase in pressure and risk of bursting.

Other hazards Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

Product-type:

The product is a mixture.

Range [%]	Substance
1 - <10	iso-Butane
	CAS: 75-28-5, EINECS/ELINCS: 200-857-2, EU-INDEX: 601-004-00-0
	GHS/CLP: Flam. Gas 1: H220 - Press. Gas (Compressed gas): H280
1 - < 3	Propanoic acid, 2-hydroxy-, C12-13-branched-alkyl esters
	EINECS/ELINCS: 939-514-3, Reg-No.: 01-2119972339-25-XXXX
	GHS/CLP: Aquatic Chronic 3: H412
1 - <5	Propane
	CAS: 74-98-6, EINECS/ELINCS: 200-827-9, EU-INDEX: 601-003-00-5
	GHS/CLP: Flam. Gas 1: H220 - Press. Gas (Compressed gas): H280
0,1 - < 1	Sodium N-Lauroyl Sarcosinate
	CAS: 137-16-6, EINECS/ELINCS: 205-281-5, Reg-No.: 01-2119527780-39-XXXX
	GHS/CLP: Acute Tox. 2: H330 - Skin Irrit. 2: H315 - Eye Dam. 1: H318

Comment on component parts Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Take off contaminated clothing and wash before reuse.

Inhalation Ensure supply of fresh air.

Skin contact Consult a doctor if skin irritation persists.

Eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Ingestion Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.
In the event of symptoms seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Forward this sheet to the doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media foam, dry powder, water spray jet, carbon dioxide

Extinguishing media that must not be used Full water jet

5.2 Special hazards arising from the substance or mixture

Bursting aerosols can be forcibly projected from a fire.
Risk of formation of toxic pyrolysis products.

5.3 Advice for firefighters

Use self-contained breathing apparatus.

Cool containers at risk with water spray jet.
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from all sources of ignition.
Ensure adequate ventilation.

6.2 Environmental precautions

Do not discharge into surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically.
Take up residues with absorbent material (e.g. sand).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

The normal safety precautions for handling chemicals must be observed.

Keep away from open flames, hot surfaces and sources of ignition.
Do not smoke.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C.
Do not pierce or burn, even after use.

Do not eat, drink, smoke or take drugs at work.
Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

Do not store together with oxidizing agents.

Keep container in a well-ventilated place.
Keep in a cool place, heat causes increase in pressure and risk of bursting.
Protect from heat/overheating and from sun.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

Substance
iso-Butane
CAS: 75-28-5, EINECS/ELINCS: 200-857-2, EU-INDEX: 601-004-00-0
Long-term exposure: 600 ppm, 1450 mg/m³, (Butane)
Short-term exposure (15-minute): 750 ppm, 1810 mg/m³
Glycerol
CAS: 56-81-5, EINECS/ELINCS: 200-289-5
Long-term exposure: 10 mg/m³, (mist)

DNEL

Substance
Propanoic acid, 2-hydroxy-, C12-13-branched-alkyl esters
Industrial, inhalative, Long-term - systemic effects: 17,6 mg/m³.
Industrial, dermal, Long-term - systemic effects: 5 mg/kg.
general population, oral, Long-term - systemic effects: 2,5 mg/kg.
general population, dermal, Long-term - local effects: 2,5 mg/kg.
general population, inhalative, Long-term - systemic effects: 4,34 mg/m³.
Sodium N-Lauroyl Sarcosinate, CAS: 137-16-6
Industrial, dermal, Long-term - systemic effects: 20 mg/kg bw/day.
Industrial, inhalative, Long-term - systemic effects: 70,53 mg/m³.
general population, oral, Long-term - systemic effects: 10 mg/kg bw/day.
general population, dermal, Long-term - systemic effects: 10 mg/kg bw/day.
general population, inhalative, Long-term - systemic effects: 17,39 mg/m³.

PNEC

Substance
Propanoic acid, 2-hydroxy-, C12-13-branched-alkyl esters
soil, 0,00073 mg/kg.
sediment (seaater), 0,0004 mg/l.
sediment (freshwater), 0,00396 mg/l.
sewage treatment plants (STP), 4 mg/l.
seawater, 0,00011 mg/l.
freshwater, 0,0011 mg/l.
Sodium N-Lauroyl Sarcosinate, CAS: 137-16-6
soil, 0,012 mg/kg.
sediment (seaater), 0,003 mg/kg.
sediment (freshwater), 0,034 mg/kg.
sewage treatment plants (STP), 10 mg/L.
seawater, 0,003 mg/L.
freshwater, 0,03 mg/L.

8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
Eye protection	Not required under normal conditions.
Hand protection	Not required under normal conditions.
Skin protection	Not required under normal conditions.
Other	Do not breathe vapour/spray. Avoid contact with eyes.
Respiratory protection	Not required under normal conditions.
Thermal hazards	not applicable
Delimitation and monitoring of the environmental exposition	Comply with applicable environmental regulations limiting discharge to air, water and soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	aerosol Foam
Color	white
Odor	mild
Odour threshold	No information available.
pH-value	5,5
pH-value [1%]	No information available.
Boiling point [°C]	not applicable
Flash point [°C]	not applicable
Flammability (solid, gas) [°C]	Non flammable aerosol
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	No information available.
Density [g/ml]	1 (20°C)
Bulk density [kg/m³]	not applicable
Solubility in water	not applicable
Partition coefficient [n-octanol/water]	No information available.
Viscosity	not applicable
Relative vapour density determined in air	not applicable
Evaporation speed	not applicable
Melting point [°C]	not applicable
Autoignition temperature [°C]	not applicable
Decomposition temperature [°C]	not applicable

9.2 Other information

No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.
Heat causes increase in pressure and risk of bursting.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Heat causes increase in pressure and risk of bursting.

10.4 Conditions to avoid

Strong heating.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No dangerous reactions known if used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product
ATE-mix, inhalative, > 5 mg/l/4h.

Substance
Propanoic acid, 2-hydroxy-, C12-13-branched-alkyl esters
LD50, dermal, Rat: > 2000 mg/kg (OECD 402).
LD50, oral, Rat: > 5000 mg/kg (OECD 401).
iso-Butane, CAS: 75-28-5
LC50, inhalative, Rat: 570000 ppm (IUCLID).
Propane, CAS: 74-98-6
LC50, inhalative, Rat: 658 mg/L (IUCLID).
Sodium N-Lauroyl Sarcosinate, CAS: 137-16-6
LD50, oral, Rat: > 5000 mg/kg.
LC50, inhalative, Rat: > 1,1 - 5,4 mg/l/4h (34,5% aqueous solution).
LC50, inhalative, Rat: 0,05 - 0,5 mg/l 4h.

Serious eye damage/irritation	Based on the available information, the classification criteria are not fulfilled.
Skin corrosion/irritation	Non-irritant. No classification due to toxicological investigations.
Respiratory or skin sensitisation	Based on the available information, the classification criteria are not fulfilled.
Specific target organ toxicity — single exposure	Based on the available information, the classification criteria are not fulfilled.
Specific target organ toxicity — repeated exposure	Based on the available information, the classification criteria are not fulfilled.
Mutagenicity	Based on the available information, the classification criteria are not fulfilled.
Reproduction toxicity	Based on the available information, the classification criteria are not fulfilled.
Carcinogenicity	Based on the available information, the classification criteria are not fulfilled.
Aspiration hazard	Based on the available information, the classification criteria are not fulfilled.
General remarks	May cause irritation of eye. The product was dermatologically tested.

SECTION 12: Ecological information

12.1 Toxicity

Substance
Propanoic acid, 2-hydroxy-, C12-13-branched-alkyl esters
LC50, (96h), Brachidanio rerio: > 100 mg/l (OECD 203).
EL50, (48h), Daphnia magna: > 10 - 100 mg/l (OECD 202).
NOEC, (28d), Bacteria: min. 40 mg/l.
NOEC, (21d), Daphnia magna: 0,11 mg/l (OECD 211).
ErL50, (72h), Pseudokirchneriella subcapitata: > 10 - 100 mg/l (OECD 201).
Sodium N-Lauroyl Sarcosinate, CAS: 137-16-6
LC50, (96h), Brachidanio rerio: 107 mg/L.
EC50, (3h), Activated sludge: > 1000 mg/L.
EC50, (72h), Desmodesmus subspicatus: 263 mg/L.
EC50, (48h), Daphnia magna: 29,7 mg/L.

12.2 Persistence and degradability

Behaviour in environment compartments No information available.

Behaviour in sewage plant No information available.

Biological degradability No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Other adverse effects

Ecological data of complete product are not available.
Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

For recycling, consult manufacturer.

Waste no. (recommended) 160504* gases in pressure containers (including halons) containing dangerous substances

Contaminated packaging

Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended) 150111*

SECTION 14: Transport information

14.1 UN number

Transport by land according to ADR/RID	1950
Inland navigation (ADN)	1950
Marine transport in accordance with IMDG	1950
Air transport in accordance with IATA	1950

14.2 UN proper shipping name

Transport by land according to ADR/RID	AEROSOLS
- Classification Code	5A
- Label	
- ADR LQ	1 l
- ADR 1.1.3.6 (8.6)	Transport category (tunnel restriction code) 3 (E)
Inland navigation (ADN)	AEROSOLS
- Classification Code	5A
- Label	
Marine transport in accordance with IMDG	Aerosols
- EMS	F-D, S-U
- Label	
- IMDG LQ	1 l
Air transport in accordance with IATA	Aerosols, non flammable
- Label	

14.3 Transport hazard class(es)

Transport by land according to ADR/RID	2
Inland navigation (ADN)	2
Marine transport in accordance with IMDG	2.2
Air transport in accordance with IATA	2.2

14.4 Packing group

Transport by land according to ADR/RID	not applicable
Inland navigation (ADN)	not applicable
Marine transport in accordance with IMDG	not applicable
Air transport in accordance with IATA	not applicable

14.5 Environmental hazards

Transport by land according to ADR/RID	no
Inland navigation (ADN)	no
Marine transport in accordance with IMDG	no
Air transport in accordance with IATA	no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

No information available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EEC-REGULATIONS	1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2008/47/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014
TRANSPORT-REGULATIONS	DOT-Classification, ADR (2017); IMDG-Code (2017, 38. Amdt.); IATA-DGR (2017).
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits (Second edition, published December 2011).
- Observe employment restrictions for people	Observe employment restrictions for young people.
- VOC (2010/75/CE)	8 %

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

16.1 Hazard statements (SECTION 03)

H318 Causes serious eye damage.
H315 Causes skin irritation.
H330 Fatal if inhaled.
H412 Harmful to aquatic life with long lasting effects.
H280 Contains gas under pressure; may explode if heated.
H220 Extremely flammable gas.

16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform ChemicaL Information Database
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
TLV®/TWA = Threshold limit value – time-weighted average
TLV®STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Other information

Classification procedure

Aerosol 3: H229 Pressurised container: May burst if heated. (On basis of test data)

Modified position

SECTION 3 been added: Sodium N-Lauroyl Sarcosinate

SECTION 3 been added: Propanoic acid, 2-hydroxy-, C12-13-branched-alkyl esters

SECTION 4 been added: Take off contaminated clothing and wash before reuse.

SECTION 6 been added: Take up residues with absorbent material (e.g. sand).

SECTION 7 been added: The normal safety precautions for handling chemicals must be observed.

SECTION 7 been added: Do not pierce or burn, even after use.

SECTION 10 been added: No dangerous reactions known if used as directed.