

Revision date: 16-Mar-2015 Version: 1.0 Print date: 31-Aug-2015

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

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

1.1. Product identifier

Trade name/designation:

Marly Skin ® Hautschuttschaum

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

Use of the substance/mixture:

-
Skin protection

1.3. Details of the supplier of the safety data sheet

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

Marly Products

Kolomanstr. 5 a
85737 Ismaning
Germany

Telephone: +49(0)89-99638879

Telefax: +49(0)89-99638890

E-mail: mail@marlyproducts. de

1.4. Emergency telephone number

24h: Antipoison Center Munich +49 (0)89-19240 Emergency CONTACT GBK GmbH +49 (0)6132-84463

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Aerosols (<i>Flam. Aerosol 1</i>)	H222: Extremely flammable aerosol.	

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS02
Flame

Signal word: Danger

hazard statements for physical hazards

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.

Supplemental Hazard information (EU): -

Precautionary statements

P102	Keep out of reach of children.
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Precautionary statements Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.

Precautionary statements Storage

P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
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2.3. Other hazards

Adverse physicochemical effects:

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Adverse human health effects and symptoms:

liquefied gas, Can cause frostbite.





Adverse environmental effects:

No information available.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 106-97-8 EC No.: 203-448-7	butane Flam. Gas 1, Press. Gas   Danger H220 Additional information: Contains gas under pressure; may explode if heated (H280).	< 10 Vol-%
CAS No.: 74-98-6 EC No.: 200-827-9	propane Flam. Gas 1, Press. Gas   Danger H220 Additional information: Contains gas under pressure; may explode if heated (H280).	< 10 Vol-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact:

No special measures are necessary.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion:

Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO2), Foam, Extinguishing powder, Water mist

Unsuitable extinguishing media:

High power water jet

5.2. Special hazards arising from the substance or mixture

No information available.

5.3. Advice for firefighters

Use suitable breathing apparatus.

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5.4. Additional information

Move undamaged containers from immediate hazard area if it can be done safely.
Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Use personal protection equipment.

Emergency procedures:

Remove all sources of ignition. Provide adequate ventilation. Remove persons to safety.

6.1.2. For emergency responders

Personal protection equipment:

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. (Danger of explosion)

6.3. Methods and material for containment and cleaning up

For containment:

Suitable material for taking up: Sand, Universal binder

For cleaning up:

Take up mechanically, placing in appropriate containers for disposal. Dispose of waste according to applicable legislation.

Other information:

Ventilate affected area.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

6.5. Additional information

No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Observe instructions for use. Do not handle until all safety precautions have been read and understood.

Fire prevent measures:

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

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

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

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

Requirements for storage rooms and vessels:

Ensure adequate ventilation of the storage area.

Further information on storage conditions:

To follow: TRGS 510: Technical rules for hazardous substances - Storage of hazardous substances in nonstationary containers

7.3. Specific end use(s)

Recommendation:

Observe instructions for use.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
TRGS 900 (DE)	butane CAS No.: 106-97-8	① 1,000 ppm (2,400 mg/m ³) ② 4,000 ppm (9,600 mg/m ³)
TRGS 900 (DE)	propane CAS No.: 74-98-6	① 1,000 ppm (1,800 mg/m ³) ② 4,000 ppm (7,200 mg/m ³)

8.1.2. biological limit values

No data available

8.1.3. DNEL-/PNEC-values

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide adequate ventilation.

8.2.2. Personal protection equipment

Eye/face protection:

Eye protection: not required.

Skin protection:

Hand protection is not required

Respiratory protection:

Usually no personal respirative protection necessary.

8.2.3. Environmental exposure controls

No data available

8.3. Additional information

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Aerosol

Colour: white

Odour: characteristic

Odour threshold: not determined

Safety relevant basis data

parameter		at °C	Method	Remark
pH	8 - 8.5			Aerosol propellants
Melting point/freezing point	<i>not applicable</i>			
Freezing point	<i>not applicable</i>			
Initial boiling point and boiling range	<i>not applicable</i>			
Decomposition temperature (°C):	<i>No data available</i>			
Flash point	-80 °C			
Evaporation rate	<i>No data available</i>			
Ignition temperature in °C	≈ 400 °C			Aerosol propellants
Upper/lower flammability or explosive limits	≈ 1.5 - ≈ 9.5 Vol-%			Aerosol propellants
Vapour pressure	4 - 5.5 bar	20 °C		
Vapour density	<i>No data available</i>			
Density	≈ 0.94 g/cm ³			

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parameter		at °C	Method	Remark
Bulk density	No data available			
Water solubility (g/L)	partially soluble			
Partition coefficient: n-octanol/water	No data available			
Dynamic viscosity	No data available			
Kinematic viscosity	No data available	40 °C		
Vapour pressure at 50 °C (kPa)	8 - 10 bar	50 °C		

9.2. Other information

Appearance: Foam

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Danger of bursting container. Do not expose to temperatures exceeding 50 °C/122 °F.

10.4. Conditions to avoid

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

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Hazardous combustion products: Carbon monoxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity:

LD50 > 5000 mg/kg

Acute dermal toxicity:

LD50 > 2000 mg/kg

Acute inhalation toxicity:

No information available.

Skin corrosion/irritation:

Not an irritant.

Eye damage/irritation:

Not an irritant.

Respiratory or skin sensitisation:

not sensitising.

Germ cell mutagenicity:

No information available.

Carcinogenicity:

No information available.

Reproductive toxicity:

No information available.

STOT-single exposure:

No information available.

STOT-repeated exposure:

No information available.

Aspiration hazard:

No information available.

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SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity:

No information available.

12.2. Persistence and degradability

Additional information:

Readily biodegradable (according to OECD criteria).

12.3. Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

Accumulation / Evaluation:

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
	Nicht eingestufte Stoffe	—
106-97-8	butane	—
74-98-6	propane	—

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of waste according to applicable legislation.

Consult the appropriate local waste disposal expert about waste disposal.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

16 05 04 *	Gases in pressure containers (including halons) containing dangerous substances
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*: Evidence for disposal must be provided.





Waste code packaging:

15 01 10	packaging containing residues of or contaminated by dangerous substances
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13.2. Additional information

No data available

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN-No.			
1950	1950	1950	1950
14.2. UN proper shipping name			
AEROSOLS, flammable	AEROSOLS, flammable	AEROSOLS, flammable (contains Propane/Butane)	AEROSOLS, flammable (contains Propane/Butane)
14.3. Transport hazard class(es)			
 2.1	 2.1	 2.1	 2.1

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.4. Packing group			
not determined	not determined	not determined	
14.5. Environmental hazards			
No	No	No	No
14.6. Special precautions for user			
Special provisions: Limited quantity (LQ): 1 L Hazard identification number (Kemler No.): Classification code: F Remark: Classification code: 5F	Special provisions: Limited quantity (LQ): Classification code: - Remark:	Special provisions: Limited quantity (LQ): EmS-No.: F-D; S-U Remark:	Special provisions: Limited quantity (LQ): Y203; 30 kg G Remark:

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
 No data available

SECTION 15: Regulatory information

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

15.1.1. EU legislation

No data available

15.1.2. National regulations

 **[DE] National regulations**

Restrictions of occupation

5 MuSchRiV.
 22 JArbSchG.
 4 MuSchRiV.

Water hazard class (WGK)

WGK:

1 - schwach wassergefährdend

Description:

slightly hazardous to water (WGK 1)

15.2. Chemical Safety Assessment

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

15.3. Additional information

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

See overview table at www.euphrac.eu

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Aerosols (<i>Flam. Aerosol 1</i>)	H222: Extremely flammable aerosol.	

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16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H220	Extremely flammable gas.

16.6. Training advice

No data available

16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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This Safety Data Sheet was drawn up by TÜV SÜD Industrie Service GmbH (see below), based on data from the supplier, who is named in section 1 and who is responsible for this document.

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