

1. Identification of the substance / preparation and particulars of the company

Product: Marly Skin Guard™ Skin Barrier Foam
Use: Skin Barrier
Article Nos.: Marly Skin Guard™ 35 ml Code No.: 35010
Marly Skin Guard™ 50 ml Code No.: 50002
Marly Skin Guard™ 100 ml Code No.: 10002

Manufacturer's details: MARLY PRODUCTS
S. Behre-Monien
Kolomanstrasse 5a, D-85737 Ismaning
Telephone: +49 89 996388-79 – Fax: +49 89 99638890
E-mail: marly-products@t-online.de
Website: www.marly-skin.com
Emergency tel. No.: +49 89 996388-79

2. Composition / information on ingredients

INCI:
Aqua, Propane, Butane, TEA-Stearate, Sorbitol, Propylene glycol, Glycerol, Dimethicone, Methyl paraben, Propyl paraben, Aloe barbadensis, Tocopherol

Ingredient:	EINECS/ELINCS	CAS	Content (%)	Symbol/R Phrases
Propane/Butane	200-827-9 203-448-7	74-98-6 106-97-8	10 - < 25	F+ -12

3. Potential hazards

R12: highly flammable

4. First Aid measures

General instructions: not applicable
Inhalation: not applicable
Skin contact: Product is a dermatologically tested skin barrier agent
Eye contact: no hazard, see No. 11
Ingestion: not applicable

Notes for doctors:

Expert reports on human tests involving efficacy and tolerance of Marly Skin Guard™ are available. The product has no toxic, contact allergenic or photo-dynamic properties.

5. Fire fighting measures

Suitable extinguishing agents: Foam, extinguishing powder, water spray jet, CO₂
Unsuitable extinguishing agents: Full water jet
Special hazards caused by the product or its combustive products: Risk of formation of toxic pyrolysis products
Special fire fighting equipment: Wear breathing apparatus independent from ambient air.
Additional notes: Water jet for cooling aerosol cans at risk. Disposal of combustion residues and of contaminated extinguishing water in compliance with local regulations.

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6. Accidental release measures

Personal safety measures: Ensure adequate ventilation
Precautions:
Environmental protection measures: not applicable
Measures for cleaning: Pick up the material using mechanical means and dispose of the material properly.

7. Handling and storage

Notes on safe handling: Use only in well ventilated areas
Notes on fire and explosion safety: Keep away from sources of ignition – do not smoke
Storage room and container requirements: no special measures required
Storage with other products: Do not store near oxidation agents
Other storage conditions: Store containers in a well ventilated and cool area. Exposure to heat results in pressure increase and risk of bursting

8. Exposure controls / personal protection

Additional notes on the design of technical equipment:
Ensure adequate ventilation at the place of work.
Ingredients / components with limit values to be monitored at the place of work: (DE)

<u>Ingredient</u>	<u>(ppm)*</u>	<u>(mg/m³)</u>	<u>General notes:</u>
Propane / Butane	1,000	2,400	DFG

*Threshold limit value at place of work

Respirator: Breathing apparatus in the event of high concentrations. Short-term filter unit, Filter Type A
Hand protection: not applicable
Eye protection: not applicable
Body protection: none
General safety: Avoid contact with the eyes. Do not inhale gases / vapours / aerosols
Hygiene measures: not applicable
Limiting and monitoring environmental exposure: not determined

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9. Physical and chemical properties

Form:	Aerosol
Colour:	White
Odour:	Generic
pH:	5 – 7
pH (1%):	not determined
Boiling point (°C):	not applicable
Flash point ((°C):	not applicable
Flammability (°C):	not applicable
Lower explosion limit:	1.5 vol%
Upper explosion limit:	11.0 vol%
Fire promoting:	no
Vapour pressure (kPa):	not determined
Density (g/ml):	0.92
Bulk density (kg/m ³):	not applicable
Solubility in water:	partially mixable
Distribution coefficient n- octanol / water:	not applicable
Viscosity:	not applicable
Relative vapour density, with reference to air:	not applicable
Vaporisation velocity:	not applicable
Melting point (°C):	not applicable
Self-ignition (°C):	not applicable
Decomposition product (°C):	not applicable

10. Stability and reactivity

Hazardous reactions:	Risk of bursting, potential formation of flammable mixtures in air if heated beyond the flash point and/or when sprayed or vaporised
Hazardous decomposition products:	Flammable gases / vapours

11. Toxicological information

Oral toxicity:	LD 50 >	5,000 mg/kg (rat)
Dermal toxicity:	LD 50 >	2,000 mg/kg (rat)
Eye irritation index:	0.0	(rabbit)
Skin irritation index:	0.0	(rabbit, intact skin)
Skin irritation index:	0.0	(rabbit, damaged skin)
Subcutaneous dermal toxicity:	negative	(28 days exposure, rabbit)

Empirical data and observations show that the product may be handled without health risks if used and handled properly and if the normal standards of health and safety at work are observed.

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12. Ecological information

Water hazard category WGK 1

The components and ingredients are over 90% biodegradable.

13. Notes on disposal

Disposal / product: Disposable as hazardous waste
EAK No. (recommended): 160504*
Disposal / uncleaned package: Uncontaminated packages may be recycled

14. Transport information

General details:

UN Number: 1950

ADR Classification: 2

Road / rail transport: (GGVSE/ADR/RID):

Category / package group: 2/-

Designation: UN 1950 pressurised gas packs, 2.1

Marking: UN 1950 AEROSOLS

Classification code: 5F

Factor (ADR 1.1.3.6): 3

LQ (ADR 3.4.6): LQ2

Hazard slip: 2.1

Vapour pressure: not determined

IMDG Classification: 2.1

Sea transport (GGVSee/IMDG Code)

Category / package group: 2/-

Designation: UN 1950, Aerosols, 2.1

Marking: Aerosols, UN 1950, Class: 2.1

Hazard slip: 2.1

LQ (l, kg): 1

EmS: F-D, S-U

IATA Classification: 2.1

Air transport (IATA-DGR)

Designation: Aerosols, flammable, Class: 2.1 UN 1950

Marking: Aerosols; flammable UN 1950

Hazard slip: Flammable gas

15. Regulatory information

Product classified and marked in compliance with EU Directives

Marking

Hazard symbols: "Flame symbol" highly flammable

R12: Highly flammable

S 23.4: Do not inhale aerosol

S 51: Use only in well ventilated area

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15.1 Special marking of certain preparations

Container is pressurised. Protect from direct sunlight exposure and temperatures above 50°C. After use, do not open by force or incinerate. Do not spray into naked flames or glowing objects. Keep away from sources of ignition – do not smoke. Keep out of reach of children.

15.2 Documentation sources

EU: 91/155 (2001/58); 67/584 (2004/73, 29. ATP); 1999/45 (2006/8); 91/689 (2001/118); 89/542; 1999/13; 2004/42
Details on transport: ADR (2007); IMDG Code (32nd amendment); IATAA-DGR (2007)

15.3 National regulations

GefStoffV 2004; 89/542 EWG; 89/686 EWG; WRMG; WHG; TRG 300; TRGS 200; TRGS 900; TRGS 615

Water hazard category: 1, pursuant to VwVwS dated 27 July 2005
Accident code, observe limits: yes
TA Air classification: 5.2.5
Product code: not determined
BfR No.: not determined
VCI storage class: not determined
Other regulations: TRG 300: Storage regulation for pressurised gas packs (aerosols)

16. Other information

(Details on ingredients / components, see Item 2)
R 12: Highly flammable

16.1 Additional information

Observe employment restrictions: yes
VOC (1999/13/EG): not determined
Customs tariff (HTS/HS): 3304.99.5000
CBP Ruling: N234039
FDA NDC: 53633-100-01

16.2 Details on ingredients / components

2004/42/EG: not relevant
UBA Registration: not relevant
648/2004/EG, contains: not relevant

16.3 Amended / modified items

not relevant