



1. Identification

Product identifier

Mederma Spezial Cream Mousse Hyaluron

Recommended use of the chemical and restrictions on use

Use of the substance/mixture

Emulsion for application on skin.

Uses advised against

There is no information available on applications that are not advised.

Details of the supplier of the safety data sheet

Company name: Merz North America, Inc.
Street: 6501 Six Forks Road
Place: USA Raleigh, NC 27615
Telephone: 844-469-6379

Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de

Emergency phone number: Hazmat Service Emergency Number: 800-373-7542
International Shipments: +1-484-951-2432

2. Hazard(s) identification

Classification of the chemical

29 CFR Part 1910.1200

Hazard categories:

Flammable aerosols: Flam. Aerosol 1

Gases under pressure: Compressed gas

Hazard Statements:

Extremely flammable aerosol

Contains gas under pressure; may explode if heated

Label elements

29 CFR Part 1910.1200

Signal word: Danger

Pictograms:



Hazard statements

Extremely flammable aerosol

Contains gas under pressure; may explode if heated

Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

Protect from sunlight. Store in a well-ventilated place.

Do not expose to temperatures exceeding 50 °C/122 °F.

Hazards not otherwise classified

Inhalation of vapours in high concentration can cause narcotic effects.

3. Composition/information on ingredients

Mixtures

Chemical characterization

Aerosol

Mixture of the following substances with non-hazardous admixtures

**Hazardous components**

CAS No	Components	Quantity
75-28-5	isobutane	1 - 5* %
4390-04-9	2,2,4,4,6,8,8-heptamethylnonane	1 - 5* %
106-97-8	butane	1 - 5* %
67762-83-8	Stearyl Dimethicone	1 - 5* %
74-98-6	propane	1 - 5* %
122-99-6	2-phenoxyethanol	1 - 5* %
137-16-6	Sodium N-lauroylsarcosinate	< 1* %

Further Information

*The exact percentage (concentration) has been withheld as a trade secret.

4. First-aid measures**Description of first aid measures****General information**

Remove contaminated soaked clothing immediately.
Take away from danger area and lay down affected person.

After inhalation

Move to fresh air in case of accidental inhalation of vapours.
If you feel unwell, seek medical advice.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If eye irritation persists, consult a specialist.

After ingestion

Rinse mouth.
Summon a doctor immediately.
Induce vomiting only upon the advice of a physician.

Most important symptoms and effects, both acute and delayed

DANGER!

Extremely flammable.
Contents under pressure.

OSHA Hazard Communication: This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

Indication of any immediate medical attention and special treatment needed

Treat symptoms.
Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
Inhalation of vapours in high concentration can cause narcotic effects.
Contact with eyes may cause irritation.

5. Fire-fighting measures**Extinguishing media****Suitable extinguishing media**

Alcohol-resistant foam, dry chemical, carbon dioxide (CO₂), water-spray.

Unsuitable extinguishing media

Full water jet.

Specific hazards arising from the chemical

Fire may produce:
Carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x).

Special protective equipment and precautions for fire-fighters

Use breathing apparatus with independent air supply.
Protective suit.



Additional information

Heating will cause pressure rise with risk of bursting.
Cool containers at risk with water spray jet.
Vapours are heavier than air and spread along ground.
The vapour/air mixture is explosive, even in empty, uncleaned receptacles.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
Keep away sources of ignition.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).
Shovel into suitable container for disposal.

Reference to other sections

Observe protective instructions (see Sections 7 and 8).
Information for disposal look up chapter 13.

7. Handling and storage

Precautions for safe handling

Advice on safe handling

Do not breathe vapours.
Ensure adequate ventilation.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.
Do not spray on a naked flame or any other incandescent material.
Heating will cause pressure rise with risk of bursting.
Vapours can form an explosive mixture with air.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

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

Advice on storage compatibility

Incompatible with oxidizing agents.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

8. Exposure controls/personal protection

Control parameters



Exposure limits

CAS No.	Substance	ppm	mg/m³	f/cc	Category	Origin
75-28-5	Butane: isobutane	-	-		TWA (8 h)	ACGIH-2016
		1000			STEL (15 min)	ACGIH-2016
106-97-8	Butane: n-butane	-	-		TWA (8 h)	ACGIH-2016
		1000			STEL (15 min)	ACGIH-2016
56-81-5	Glycerin (mist) Respirable fraction	-	5		TWA (8 h)	REL
75-28-5	Isobutane	800	1900		TWA (8 h)	REL
74-98-6	Propane	1000	1800		TWA (8 h)	REL
		1000	1800		TWA (8 h)	REL
106-97-8	n-Butane	-	-		Asphyxiant	ACGIH-2016
		800	1900		TWA (8 h)	REL

Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

Pay attention to explosion protection guidelines.

Protective and hygiene measures

Wash hands before breaks and immediately after handling the product.

When using do not eat, drink or smoke.

Avoid contact with the eyes.

Eye/face protection

Safety goggles with side protection.

Skin protection

Long sleeved clothing.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type AX).

Breathing apparatus in the event of high concentrations.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state: Aerosol
 Color: apricot coloured
 Odor: Neutral
 pH-Value: Not determined.

Changes in the physical state

Melting point/freezing point: Not applicable.
 Initial boiling point and boiling range: Not applicable.
 Flash point: Not determined
 Flammability
 Solid: No information available.
 Explosive properties: No information available.
 Lower explosion limits: Not determined.
 Ignition temperature: No information available.
 Auto-ignition temperature
 Solid: No information available.
 Decomposition temperature: No information available.
 Oxidizing properties: No information available.
 Not determined.
 Density: No information available.
 Water solubility: (at 20 °C) Partly soluble



Solubility in other solvents	No information available.
Partition coefficient:	No information available.
Viscosity / dynamic:	No information available.
Viscosity / kinematic:	No information available.
Vapor density:	No information available.
Evaporation rate:	No information available.

Other information

No information available.

10. Stability and reactivity

Reactivity

No decomposition if stored and applied as directed.

Chemical stability

Stability: Stable

Stable under normal conditions.

Possibility of hazardous reactions

Hazardous reactions: Will not occur

Reactions with oxidizing agents.

Conditions to avoid

Fire or intense heat may cause violent rupture of packages.

In use formation of flammable/explosive vapour-air mixtures possible.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x).

11. Toxicological information

Information on toxicological effects

Route(s) of Entry

Skin and eye contact, inhalation and ingestion.

Acute toxicity

Based on available data, the classification criteria are not met.

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitizing effects

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Carcinogenicity (NTP): Not listed

Carcinogenicity (IARC): Not listed

Carcinogenicity (OSHA): Not listed

Aspiration hazard

Based on available data, the classification criteria are not met.

Practical experience

Other observations

Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Contact with eyes may cause irritation.



Inhalation of vapours in high concentration can cause narcotic effects .

12. Ecological information

Ecotoxicity

Ecological data are not available.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Other adverse effects

No data available.

Further information

Ecological injuries are not known or expected under normal use.

Do not discharge into surface waters/groundwater.

13. Disposal considerations

Waste treatment methods

Advice on disposal

Where possible recycling is preferred to disposal.

Can be incinerated, when in compliance with local regulations.

Contaminated packaging

Offer empty spray cans to an established disposal company.

14. Transport information

US DOT 49 CFR 172.101

<u>UN/ID number:</u>	UN 1950
<u>Proper shipping name:</u>	AEROSOLS
<u>Transport hazard class(es):</u>	2.1
Hazard label:	2.1

Marine transport (IMDG)

<u>UN number:</u>	UN 1950
<u>UN proper shipping name:</u>	AEROSOLS
<u>Transport hazard class(es):</u>	2.1
<u>Packing group:</u>	-
Hazard label:	2.1



Limited quantity:	1000 mL
Excepted quantity:	E0
EmS:	F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

<u>UN number:</u>	UN 1950
<u>UN proper shipping name:</u>	AEROSOLS, flammable
<u>Transport hazard class(es):</u>	2.1
<u>Packing group:</u>	-
Hazard label:	2.1



Limited quantity Passenger: 30 kg G
Passenger LQ: Y203
Excepted quantity: E0
IATA-packing instructions - Passenger: 203
IATA-max. quantity - Passenger: 75 kg
IATA-packing instructions - Cargo: 203
IATA-max. quantity - Cargo: 150 kg

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The transport takes place only in approved and appropriate packaging.

15. Regulatory information

U.S. Regulations

National Inventory TSCA

All of the components are listed on the TSCA inventory.

National regulatory information

SARA Section 311/312 Hazards:

- Isobutane (75-28-5): Fire hazard
- 2,2,4,4,6,8,8-heptamethylnonane (4390-04-9): Immediate (acute) health hazard
- Butane (106-97-8): Fire hazard
- Stearyl Dimethicone (67762-83-8): Immediate (acute) health hazard
- Propane (74-98-6): Fire hazard
- 2-phenoxyethanol (122-99-6): Immediate (acute) health hazard
- Sodium N-lauroylsarcosinate (137-16-6): Immediate (acute) health hazard

Clean Air Act Section 112(r):

- Isobutane (75-28-5): Threshold quantities = 10,000 lbs.
- Butane (106-97-8): Threshold quantities = 10,000 lbs.
- Propane (74-98-6): Threshold quantities = 10,000 lbs.

State Regulations

Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other information

Hazardous Materials Information Label (HMIS)

Health: 1
Flammability: 4
Physical Hazard: 0

NFPA Hazard Ratings

Health: 1
Flammability: 4
Reactivity: 0
Unique Hazard:



Changes

Revision date: 05.12.2016
Revision No: 1,0
Changes in section: -



Abbreviations and acronyms

IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

DOT = Department of Transportation

TDG = Transport of Dangerous Goods

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

CAS = Chemical Abstract Service

ISO = International Organization for Standardization

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

Other data

The information in this document is based on the present state of knowledge and is applicable to the product with regard to appropriate safety precautions.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)