1. Identification

Product identifier
Mederma Spezial Cream Mousse Collagen

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

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Components</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>75-28-5</td>
<td>isobutane</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>4390-04-9</td>
<td>2,2,4,4,6,8,8-heptamethylnonane</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>106-97-8</td>
<td>butane</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>67762-83-8</td>
<td>Stearyl Dimethicone</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>74-98-6</td>
<td>propane</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>137-16-6</td>
<td>Sodium N-lauroylsarcosinate</td>
<td>&lt; 1%</td>
</tr>
</tbody>
</table>

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 (NOx).

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**
Do not breathe vapours.
Ensure adequate ventilation.

**Advice on safe handling**
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**

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

**Asphyxiant**

**Exposure controls**
Appropriate engineering controls
Ensure adequate ventilation, especially in confined areas.

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.
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 (NOx).

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**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.

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**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**

<table>
<thead>
<tr>
<th>UN/ID number:</th>
<th>UN 1950</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Proper shipping name:</strong></td>
<td>AEROSOLS</td>
</tr>
<tr>
<td><strong>Transport hazard class(es):</strong></td>
<td>2.1</td>
</tr>
<tr>
<td><strong>Hazard label:</strong></td>
<td>2.1</td>
</tr>
</tbody>
</table>

**Marine transport (IMDG)**

<table>
<thead>
<tr>
<th>UN number:</th>
<th>UN 1950</th>
</tr>
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<tbody>
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<tr>
<td><strong>Transport hazard class(es):</strong></td>
<td>2.1</td>
</tr>
<tr>
<td><strong>Packing group:</strong></td>
<td>-</td>
</tr>
<tr>
<td><strong>Hazard label:</strong></td>
<td>2.1</td>
</tr>
</tbody>
</table>

Limited quantity: 1000 mL

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