

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

### - 1.1 Product identifier

#### - Trade name

**Aerosol Sprays, extremely flammable**  
**Group Material Safety Data Sheet for these exemplary products**  
**(list not exhaustive):**  
**Nivea / 8x4 / Hidrofugal: All Deodorant Sprays**  
**Nivea / Eucerin SUN Aerosol Spray**  
**Nivea Hair Care: Hairspray, Hair mousse, Dry shampoo**  
**Nivea Pearl White Mousse / Whitening Oil Control Mousse Foam**  
**Hansaplast / Curitas / Hidrofugal: Foot Spray / Deo**  
**Aquaphor Spray**

#### - Article number:

e.g. (list not exhaustive):  
09720 / 09725 / 48574 / 48593 / 48606 / 48623 / 69758 / 69759 /  
80461 / 80476 / 80497 / 82195 / 82196 / 82524 / 82525 / 82797 /  
86079 / 86081 / 86801 / 86803 / 86804 / 86805 / 86808 / 86833 /  
86855 / 86890 / 86912 / 86925 / 86931 / 86942 / 86943 / 86944 /  
86945 / 86946 / 86947 / 86948 / 86949 / 88608 / 88609 / 88612 /  
88613 / 88614 / 88968 / 89748 / 92474 / 96940 / 75000

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

No further relevant information available.

#### - Application of the substance / the mixture

Cosmetic Aerosol Spray, such as Deodorant, Hairspray, Hair mousse, Sunspray etc.

### - 1.3 Details of the supplier of the safety data sheet

#### - Manufacturer/Supplier:

Beiersdorf AG  
Unnastr. 48  
D-20245 Hamburg  
Germany

Phone: +49-40-4909-0

#### - Informing department:

- Product Safety, Consumer Safety: Dr. Elisabeth Gerber,  
Elisabeth.Gerber@Beiersdorf.com  
- Corporate Safety: MSDS\_BDF@Beiersdorf.com

### - 1.4 Emergency telephone number:

Beiersdorf AG, Unnastrasse 48, 20245 Hamburg, Germany  
fon +49 40 4909 6000

## SECTION 2: Hazards identification

### - 2.1 Classification of the substance or mixture

#### - Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

### - 2.2 Label elements

#### - Labelling according to Regulation (EC) No 1272/2008

The Product is classified and labeled according to directive 75/324/EEC (Aerosol Dispenser Directive) in the current edition.  
The product is classified and labelled according to the CLP regulation.

#### - Hazard pictograms



GHS02

#### - Signal word

Danger

#### - Hazard statements

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

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 Aquaphor Spray

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- |   |           |   |
|---|-----------|---|
| - 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.  |
|   | P211      | Do not spray on an open flame or other ignition source.   |
|   | P251      | Do not pierce or burn, even after use.  |
|   | P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  |
| - <b>Additional information:</b>            |           | Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.<br>Keep out of the reach of children |
| - <b>2.3 Other hazards</b>                  |           |   |
| - <b>Results of PBT and vPvB assessment</b> |           |   |
| - PBT:                                      |           | Not classified  |
| - vPvB:                                     |           | Not classified  |

### SECTION 3: Composition/information on ingredients

#### - 3.2 Chemical characterisation: Mixtures

- Description:** Cosmetic Aerosol Sprays:  
 Filling: Cosmetic preparation which consists of an active agent, some products as well of ethanol  
 Propellant: Propane, n-Butane, iso-Butane  
 Ingredients are listed on the can (see INCI declaration).

#### - Dangerous components:

- |                   |  |         |
|-------------------|--|---------|
| CAS: 75-28-5      | isobutane  | < 20.0% |
| EINECS: 200-857-2 | ⚠ Flam. Gas 1A, H220<br>Press. Gas (Comp.), H280 |         |
| CAS: 106-97-8     | butane, pure                                     | < 60.0% |
| EINECS: 203-448-7 | ⚠ Flam. Gas 1A, H220<br>Press. Gas (Comp.), H280 |         |
| CAS: 74-98-6      | propane liquefied                                | < 20.0% |
| EINECS: 200-827-9 | ⚠ Flam. Gas 1A, H220<br>Press. Gas (Comp.), H280 |         |
| CAS: 64-17-5      | ethanol  | < 100%  |
| EINECS: 200-578-6 | ⚠ Flam. Liq. 2, H225                             |         |

- SVHC** Some preparations contain Decamethylcyclopentasiloxane D5 and / or Dodecamethylcyclohexasiloxane D6
- Additional information** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### - 4.1 Description of first aid measures

- |                             |  |
|-----------------------------|--|
| - <b>After inhalation</b>   | Supply fresh air; consult physician in case of symptoms.   |
| - <b>After skin contact</b> | Void   |
| - <b>After eye contact</b>  | Rinse opened eyes for several minutes under running water. |
| - <b>After swallowing</b>   | In case of persistent symptoms consult physician.          |

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**- 4.2 Most important symptoms and effects, both acute and delayed**

Dazedness

**- 4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### SECTION 5: Firefighting measures

**- 5.1 Extinguishing media**

**- Suitable extinguishing agents**

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet.

**- For safety reasons unsuitable extinguishing agents**

Water with a full water jet.

**- 5.2 Special hazards arising from the substance or mixture**

No further relevant information available.

**- 5.3 Advice for firefighters**

**- Protective equipment:**

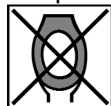
No special measures required.

### SECTION 6: Accidental release measures

**- 6.1 Personal precautions, protective equipment and emergency procedures**

Keep away from ignition sources

**- 6.2 Environmental precautions:**



Prevent product from reaching sewage system or water bodies.

**- 6.3 Methods and material for containment and cleaning up:**

Ensure adequate ventilation.

**- 6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

### SECTION 7: Handling and storage

**- 7.1 Precautions for safe handling**

May only be used in accordance with the intended purpose.

**- Information about protection against explosions and fires:**



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Beware: Container is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire even after use.

Do not spray on flames or red-hot objects.

**- 7.2 Conditions for safe storage, including any incompatibilities**

**- Storage**

**- Requirements to be met by storerooms and containers:**

Store in cool location.

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- |   |   |
|---|---|
| - Further information about storage conditions: | Observe official regulations on storing packagings with pressurised containers.   |
| - <b>7.3 Specific end use(s)</b>                | Store in a cool place. Heat will increase pressure and may lead to the container exploding.<br>Protect from heat and direct sunlight.<br>No further relevant information available. |

**SECTION 8: Exposure controls/personal protection**

- **8.1 Control parameters**
- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with critical values that require monitoring at the workplace:**  
**106-97-8 butane, pure**  
WEL Short-term value: 1810 mg/m<sup>3</sup>, 750 ppm  
Long-term value: 1450 mg/m<sup>3</sup>, 600 ppm  
Carc (if more than 0.1% of buta-1.3-diene)
- **8.2 Exposure controls**
- **Personal protective equipment**
- Breathing equipment: Not required.
- Protection of hands: Not required.
- Eye protection: Not required.
- Body protection: Not required

**SECTION 9: Physical and chemical properties**

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- Appearance:
 

Form:	Compressed liquefied gas
Colour:	specific to the product
- Smell:	Characteristic
- **Change in condition**

Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined
- **Flash point:** -42 °C
- **Ignition temperature:** 365 °C
- **Self-inflammability:** Product is not selfigniting.
- **Explosive properties:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.
- **Critical values for explosion:**

Lower:	1.5 Vol %
Upper:	10.9 Vol %
- **Steam pressure at 20 °C:** 8,300 hPa
- **Density** Not determined

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- **Solubility in / Miscibility with**  
Water: Partly miscible
- **Viscosity:**  
dynamic: Not determined.  
kinematic: Not determined.
- **9.2 Other information** No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Slight, temporary eye irritation possible.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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### SECTION 13: Disposal considerations

#### - 13.1 Waste treatment methods

##### - Recommendation

Empty containers, drums, cans, bottles etc. completely before disposing it of.

Smaller quantities can be disposed of with household garbage.

##### - European waste catalogue (recommendation)

16 05 04\* gases in pressure containers (including halons) containing hazardous substances

##### - Additional information about the

European waste catalogue:

The assignment of a waste key number according to EC Decision 2000/532/EC in connection with EU Directive 75/442/EC has to follow specific industry requirements. The above mentioned classification is only one possible proposal.

##### - Uncleaned packagings:

##### - Recommendation:

Disposal according to official regulations.

### SECTION 14: Transport information

#### - 14.1 UN-Number

##### - ADR, IMDG, IATA

UN1950

#### - 14.2 UN proper shipping name

##### - ADR, IMDG

AEROSOLS

##### - IATA

AEROSOLS, flammable

#### - 14.3 Transport hazard class(es)

##### - ADR

##### - Class

2 5F Gases.

##### - Label

2.1

##### - IMDG, IATA

##### - Class

2.1

##### - Label

2.1

#### - 14.4 Packing group

##### - ADR, IMDG, IATA

Void

#### - 14.5 Environmental hazards:

##### - Marine pollutant:

No

#### - 14.6 Special precautions for user

Warning: Gases.

##### - Page:

-

##### - EMS Number:

F-D,S-U

#### - 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

#### - Transport/Additional information:

Limited quantity regulations concerning ADR and IMDG for packages up to 30 kg (gross weight).

ID 8000 Consumer commodity for airtransport of finished goods in packages up to 30 kg possible (gross weight).

Tunnel code for limited quantity: E (deviating from entry below)

##### - ADR

##### - Limited quantities (LQ)

1L

##### - Excepted quantities (EQ)

Code: E0

Not permitted as Excepted Quantity

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- Transport category	2
- Tunnel restriction code	D
<hr style="border-top: 1px dashed #000;"/>	
- IMDG	
- Limited quantities (LQ)	1L
- Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
- <b>UN "Model Regulation":</b>	UN 1950 AEROSOLS, 2.1

### SECTION 15: Regulatory information

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

##### - Directive 2012/18/EU

- Named dangerous substances - ANNEX I	No information available
- Seveso category	P3a FLAMMABLE AEROSOLS
- Qualifying quantity (tonnes) for the application of lower-tier requirements	150 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements	500 t
- REGULATION (EC) No 1907/2006 ANNEX XVII	Conditions of restriction: 3

##### - National regulations

- Other regulations, limitations and prohibitive regulations	NFPA 30B: Foams (Mousse): Level 1 , all other products: Level 3
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##### - 15.2 Chemical safety assessment:

Not applicable.  
A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This data is based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Please note that title IV (information in the supply chain) of Regulation 1907/2006 (REACH) does not apply to cosmetic products. Therefore, this safety data sheet is supplied on a voluntary basis.

- Relevant phrases	H220 Extremely flammable gas. H225 Highly flammable liquid and vapour. H280 Contains gas under pressure; may explode if heated.
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##### - Department issuing data specification sheet:

##### - Contact:

##### - Abbreviations and acronyms:

Corporate Safety  
MSDS\_BDF@Beiersdorf.com  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
PBT: Persistent, Bioaccumulative and Toxic

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SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1A: Flammable gases – Category 1A

Aerosol 1: Aerosols – Category 1

Press. Gas (Comp.): Gases under pressure – Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

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