

Printing date 07.04.2009

Revision: 14.01.2009

**1 Identification of substance****- Product details****- Trade name**

**Aerosol Sprays, extremely flammable (Group Material Safety Data Sheet):**

**e.g.: Nivea Deodorant Spray, Nivea Hair Care Hairspray, Nivea Hair Care Hairmousse, 8x4 Deodorant Spray, Gammon Deodorant Spray, Hidrofugal Spray, Fußfrisch Spray, Hansaplast Refreshing Deo, Hansaplast Powder Deodorant**

**- Article number:**

e.g. 9720 / 9725 / 46907 / 81600 / 81601 / 81602 / 81603 / 81604 / 81619 / 81645 / 81646 / 82804 / 82805 / 82806 / 82807 / 82814 / 82883 / 82959 / 82967 / 82972 / 82977 / 82991 / 82992 / 83205 / 83732 / 83744 / 83751 / 86803 / 86808 / 86809 / 86810 / 86811 / 86812 / 92474

**- Application of the substance / the preparation**

Deodorant, Hairspray, Hairmousse

**- Manufacturer/Supplier:**

Beiersdorf AG  
Unnastr. 48  
D-20245 Hamburg  
Germany

Phone: +49-40-4909-0

**- Informing department:**

Corporate regulatory affairs cosmetics/medical devices  
Dr. Thomas Teichert, Phone: +49-40-4909-4278  
Thomas.Teichert@Beiersdorf.com

**- Emergency information:**

Beiersdorf AG, Unnastr. 48, D-20245 Hamburg  
Phone +49-40-4909-0 or +49-40-4909-2442

**2 Hazards identification****- Hazard designation:**

F+ Extremely flammable

**- Information pertaining to particular dangers for persons and environment**

R 12 Extremely flammable.  
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.

**- Classification system**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.  
The Product is classified due to the EC Directive 94/1, adopting the EC directive 75/324.

**3 Composition/information on ingredients****- Chemical characterization****- Description:**

Cosmetic Aerosol Sprays:  
Filling: Cosmetic preparation which consists of an active agent and a little amount of alcohol  
Propellants: Propane, n-Butane, iso-Butane oder Dimethylether (Hairspray)  
Further ingredients are listed on the can (see INCI declaration)

**- Dangerous components:**

see above

**- Regulation (EC) No 648/2004 on detergents / Labelling for contents**

Void

**4 First aid measures****- After inhalation**

Not necessary at proper use.

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- After skin contact Void
- Information for occupational physician.
- The following symptoms may occur: Dazedness

## 5 Fire fighting measures

- Suitable extinguishing agents CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet.
- Special hazards caused by the material, its products of combustion or flue gases: Carbon monoxide (CO)  
Nitrogen oxides (NO<sub>x</sub>)
- Protective equipment: No special measures required.

## 6 Accidental release measures


- Person-related safety precautions: Not required.
- Measures for environmental protection:
 



Prevent product from reaching sewage system or water bodies.
- Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

## 7 Handling and storage

- Handling
- Information for safe handling: No special precautions necessary if used correctly.
- Information about protection against explosions and fires:
 



Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- Storage
- Requirements to be met by storerooms and containers: Store in cool location.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Store in a cool place. Heat will increase pressure and may lead to the container exploding.

## 8 Exposure controls and personal protection

- Additional information about design of technical systems: No further data; see item 7.
- Personal protective equipment
- Breathing equipment: Not required.
- Protection of hands: Not required.
- Eye protection: Not necessary at proper use
- Body protection: Protective work clothing.

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## 9 Physical and chemical properties:

### - General Information

**Form:** Compressed liquefied gas  
**Colour:** specific to the product  
**Smell:** Characteristic

### - Change in condition

**Melting point/Melting range:** Not determined  
**Boiling point/Boiling range:** Not applicable, as aerosol

### - Flash point:

&lt; -21°C

### - Ignition temperature:

240°C

### - Self-inflammability:

Product is not selfigniting.

### - Danger of explosion:

Product is not explosive. However, formation of explosive air/steam mixtures is possible.

### - Critical values for explosion:

**Lower:** 1.5 Vol %  
**Upper:** 15.0 Vol %

### - Density

Not determined

### - Solubility in / Miscibility with Water:

Not miscible or difficult to mix

## 10 Stability and reactivity

### - Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

### - Dangerous reactions

No dangerous reactions known

### - Dangerous products of composition:

No dangerous decomposition products known

## 11 Toxicological information

### - Acute toxicity:

### - Primary irritant effect:

#### - on the skin:

No irritant effect.

#### - on the eye:

Irritant effect.

### - Sensitization:

No sensitizing effect known.

## 12 Ecological information:

### - General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

## 13 Disposal considerations

### - Product:

### - Recommendation

Smaller quantities can be disposed with household garbage.

### - European waste catalogue (recommendation)

16 05 04 gases in pressure containers (including halons) containing dangerous substances

### - Additional information about the european waste catalogue:

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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 must be made according to official regulations.

## 14 Transport information

- Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)

- ADR/RID-GGVS/E Class: 2 5F Gases.

- UN-Number: 1950

- Label: 2.1

- Designation of goods: 1950 AEROSOLS

- Maritime transport IMDG/GGVSea:

- IMDG/GGVSea Class: 2.1

- UN Number: 1950

- Label: 2.1

- EMS Number: F-D/S-U

- Correct technical name: AEROSOLS

- Air transport ICAO-TI and IATA-DGR:

- ICAO/IATA Class: 2.1

- UN/ID Number: 1950

- Label: 2.1

- Correct technical name: AEROSOLS, flammable

- Transport/Additional information:

Limited quantity regulations concerning ADR and IMO for packages up to 30 kg.

ID 8000 Consumer commodity for airtransport of finished goods in packages up to 30 kg possible

DOT: ORM-D consumer commodity for road transport inside US

## 15 Regulatory information

- Designation according to EC guidelines:

- Code letter and hazard designation of product:



F+ Extremely flammable

- Risk phrases:

12 Extremely flammable.

- Safety phrases:

2 Keep out of the reach of children.

16 Keep away from sources of ignition - No smoking.

- Special designation of certain preparations:

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.

## 16 Other information:

These data are 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.

- Department issuing data specification sheet:

Department: Occupational Safety

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- **Contact:**

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