


1 Identification of the substance/mixture and of the company/legal entity

- **Product identifier**
- **Trade name** **Aerosol Sprays, extremely flammable (Group Material Safety Data Sheet): e.g.: Nivea Deodorant Spray, Nivea Hair Care Hairspray, Nivea Hair Care Hair mousse, Nivea Sun Invisible Cooling Mist, Nivea Sun Quick & Easy Aerosol Spray, 8x4 Deodorant Spray, Gammon Deodorant Spray, Hidrofugal Spray, Fußfrisch Spray, Hansaplast Refreshing Deo, Hansaplast Powder Deodorant, Hansaplast® Silver Active Footspray**
- **Article number:** e.g. 9720 / 9725 / 46907 / 48574 / 81600 / 81601 / 81602 / 81603 / 81604 / 81614 / 81619 / 81627 / 81630 / 81636 / 81642 / 81645 / 81650 / 81646 / 82230 / 82233 / 82237 / 82241 / 82244 / 82804 / 82805 / 82806 / 82807 / 82814 / 82843 / 82859 / 82865 / 82883 / 82910 / 82959 / 82967 / 82972 / 82977 / 82980 / 82991 / 82992 / 83205 / 83731 / 83732 / 83744 / 83750 / 83751 / 83764 / 83767 / 83770 / 85759 / 85837 / 85838 / 85839 / 85841 / 85845 / 86801 / 86803 / 86808 / 86809 / 86810 / 86811 / 86812 / 86927 / 92474
- **Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- **Application of the substance / the preparation** Cosmetic Aerosol Spray, such as Deodorant, Hairspray, Hair mousse, Sunspray
- **Manufacturer/Supplier:** Beiersdorf AG
Unnastr. 48 Phone: +49-40-4909-0
D-20245 Hamburg
Germany
- **Informing department:** - Product Safety, Consumer Safety: Dr. Thomas Teichert
Tel.: +49-40-4909-4278, Thomas.Teichert@Beiersdorf.com
- Environmental Sustainability and Safety, MSDS-Content: H. Ziebell
Tel.: +49-40-4909-4543, Hubertus.Ziebell@Beiersdorf.com
- **Emergency telephone number:** Beiersdorf AG, Unnastr. 48, 20245 Hamburg
Phone +49-40-4909-0 or +49-40-4909-2442

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
-  **F+; Extremely flammable**
R12: Extremely flammable.
- **Information concerning particular hazards for human and environment:** Warning! Pressurized container.
- **Classification system:** The Product is classified due to the EC Directive 75/324/EWG in the current edition.

- Label elements

- Labelling according to EU directives

- **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.

(Contd. on page 2)










Trade name Aerosol Sprays, extremely flammable (Group Material Safety Data Sheet): e.g.: Nivea Deodorant Spray, Nivea Hair Care Hairspray, Nivea Hair Care Hair mousse, Nivea Sun Invisible Cooling Mist, Nivea Sun Quick & Easy Aerosol Spray, 8x4 Deodorant Spray, Gammon Deodorant Spray, Hidrofugal Spray, Fußfrisch Spray, Hansaplast Refreshing Deo, Hansaplast Powder Deodorant, Hansaplast® Silver Active Footspray

(Contd. of page 1)

- Special labelling 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.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- PBT: Not classified
- vPvB: Not classified

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Cosmetic Aerosol Sprays:
Filling: Cosmetic preparation which consists of an active agent, several products as well of ethanole
Propellants: Propane, n-Butane, iso-Butane
Ingredients are listed on the can (see INCI declaration)
- **Dangerous components:**

CAS: 75-28-5	isobutane	< 50.0%
EINECS: 200-857-2	 F+ R12	
	 Flam. Gas 1, H220	
	 Press. Gas, H280	
CAS: 106-97-8	butane, pure	< 50.0%
EINECS: 203-448-7	 F+ R12	
	 Flam. Gas 1, H220	
	 Press. Gas, H280	
CAS: 74-98-6	propane liquefied	< 10.0%
EINECS: 200-827-9	 F+ R12	
	 Flam. Gas 1, H220	
	 Press. Gas, H280	
- **Regulation (EC) No 648/2004 on detergents / Labelling for contents** not applicable
- **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **Description of first aid measures**
- **After inhalation** Supply fresh air; consult physician in case of symptoms.
- **After skin contact** The product is not skin irritating.
- **After eye contact** Rinse opened eyes for several minutes under running water.
- **After swallowing** In case of persistent symptoms consult physician.
- **Information for occupational physician.**
- Most important symptoms and effects, both acute and delayed Dazedness
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** CO2, extinguishing powder or water jet. Fight larger fires with water jet.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.

(Contd. on page 3)


Trade name Aerosol Sprays, extremely flammable (Group Material Safety Data Sheet): e.g.: Nivea Deodorant Spray, Nivea Hair Care Hairspray, Nivea Hair Care Hair mousse, Nivea Sun Invisible Cooling Mist, Nivea Sun Quick & Easy Aerosol Spray, 8x4 Deodorant Spray, Gammon Deodorant Spray, Hidrofugal Spray, Fußfrisch Spray, Hansaplast Refreshing Deo, Hansaplast Powder Deodorant, Hansaplast® Silver Active Footspray

(Contd. of page 2)

- **Special hazards arising from the substance or mixture** Carbon monoxide (CO)
Nitrogen oxide (NOx)
Carbon monoxide (CO)
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures


- **Personal precautions, protective equipment and emergency procedures**
- **Environmental precautions:**



Keep away from ignition sources
Prevent product from reaching sewage system or water bodies.
- **Methods and material for containment and cleaning up:** Absorb liquid components with liquid-binding material.
Ensure adequate ventilation.
- **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.

7 Handling and storage

- **Handling**
- **Precautions for safe handling** No special measures required.
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.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Store in cool location.
Observe official regulations on storing packagings with pressurized containers.
- **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.
Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

(Contd. on page 4)

Trade name Aerosol Sprays, extremely flammable (Group Material Safety Data Sheet): e.g.: Nivea Deodorant Spray, Nivea Hair Care Hairspray, Nivea Hair Care Hair mousse, Nivea Sun Invisible Cooling Mist, Nivea Sun Quick & Easy Aerosol Spray, 8x4 Deodorant Spray, Gammon Deodorant Spray, Hidrofugal Spray, Fußfrisch Spray, Hansaplast Refreshing Deo, Hansaplast Powder Deodorant, Hansaplast® Silver Active Footspray

(Contd. of page 3)

- **Control parameters**
- **Components with critical values that require monitoring at the workplace:**
106-97-8 butane, pure
 WEL Short-term value: 1810 mg/m³, 750 ppm
 Long-term value: 1450 mg/m³, 600 ppm
 Carc (if more than 0.1% of buta-1.3-diene)
- Additional information: The lists that were valid during the compilation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- Breathing equipment: Not necessary at proper use
- Protection of hands: Not necessary at proper use
- Eye protection: Not necessary at proper use
- Body protection: Not necessary at proper use

9 Physical and chemical properties

- **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/Melting range: Not determined
 - Boiling point/Boiling range: Not applicable, as aerosol
- **Flash point:** -42 °C
- **Ignition temperature:** 365 °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: 10.9 Vol %
- **Steam pressure at 20 °C:** 8300 hPa
- **Density** Not determined
- **Solubility in / Miscibility with**
 - Water: Not miscible or difficult to mix
- **Viscosity:**
 - dynamic: Not determined.
 - kinematic: Not determined.
- **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.

(Contd. on page 5)

Printing date 05.09.2013

Version number 1

Revision: 05.09.2013

Trade name Aerosol Sprays, extremely flammable (Group Material Safety Data Sheet): e.g.: Nivea Deodorant Spray, Nivea Hair Care Hairspray, Nivea Hair Care Hair mousse, Nivea Sun Invisible Cooling Mist, Nivea Sun Quick & Easy Aerosol Spray, 8x4 Deodorant Spray, Gammon Deodorant Spray, Hidrofugal Spray, Fußfrisch Spray, Hansaplast Refreshing Deo, Hansaplast Powder Deodorant, Hansaplast® Silver Active Footspray

(Contd. of page 4)

- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: Slight, temporary eye irritation possible.
- Sensitization: No sensitizing effect known.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **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 dangerous 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.

14 Transport information

- **UN-Number**
- **ADR, IMDG, IATA** UN1950
- **UN proper shipping name**
- **ADR** 1950 AEROSOLS
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable
- **Transport hazard class(es)**
- **ADR**
- **Class** 2 5F Gases.
- **Label** 2.1

(Contd. on page 6)

— GB —

Trade name Aerosol Sprays, extremely flammable (Group Material Safety Data Sheet): e.g.: Nivea Deodorant Spray, Nivea Hair Care Hairspray, Nivea Hair Care Hair mousse, Nivea Sun Invisible Cooling Mist, Nivea Sun Quick & Easy Aerosol Spray, 8x4 Deodorant Spray, Gammon Deodorant Spray, Hidrofugal Spray, Fußfrisch Spray, Hansaplast Refreshing Deo, Hansaplast Powder Deodorant, Hansaplast® Silver Active Footspray

(Contd. of page 5)

- IMDG, IATA	
- Class	2.1
- Label	2.1
- Packing group	
- ADR, IMDG, IATA	Void
- Environmental hazards:	
- Marine pollutant:	No
- Special precautions for user	Warning: Gases.
- Page:	-
- EMS Number:	F-D,S-U
- Transport in bulk according to Annex II of MARPOL73/78 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). DOT: ORM-D consumer commodity for road transport inside US
<hr style="border-top: 1px dashed #000;"/>	
- ADR	
- Limited quantities (LQ)	1L
- Transport category	2
- Tunnel restriction code	D

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- Other regulations, limitations and prohibitive regulations

NFPA 30B:	
Hair Mousse:	Level 1 , all other products: Level 3
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.

- Relevant phrases

H220	Extremely flammable gas.
H280	Contains gas under pressure; may explode if heated.
R12	Extremely flammable.
- **Department issuing data specification sheet:** Department: Environmental Sustainability and Safety
- **Contact:** Hubertus Ziebell, Phone: +49-40-4909-4543