Safety data sheet
according to 1907/2006/EC, Article 31

Beiersdorf

Printing date 20.01.2016 Revision: 20.01.2016

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

- **1.1 Product identifier**

- **Trade name** **Aerosol Sprays, extremely flammable (Group Material Safety Data Sheet): e.g.:**
Nivea / 8x4 / Hidrofugal: Deodorant Spray
Nivea / Eucerin SUN Aerosol Spray
Nivea Hair Care: Hairspray, Hair mousse
Hansaplast / Hidrofugal / fuss frisch: Foot Spray

- Article number: e.g. 00295 / 09720 / 09725 / 48574 / 48606 / 69758 / 69759 / 80461 / 80476 / 80497 / 82195 / 82196 / 86801 / 86802 / 86803 / 86804 / 86805 / 86808 / 86855 / 86890 / 86912 / 86925 / 86931 / 86942 / 86943 / 86944 / 86945 / 86946 / 86947 / 86948 / 86949 / 86950 / 92067 / 92474 / 96940 / 97352

- **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

- 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

- **1.4 Emergency telephone number:**
Beiersdorf AG, Unnastr. 48, 20245 Hamburg
Phone +49-40-4909-0 or +49-40-4909-2442

2 Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**


GHS02 flame

Flam. 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 labelled according to EC directive 75/324 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.
- 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.
  - P251 Do not pierce or burn, even after use.
  - P211 Do not spray on an open flame or other ignition source.
  - P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

(Contd. on page 2)

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(Contd. of page 1)

- **Additional information:** 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.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- PBT: Not classified
- vPvB: Not classified

3 Composition/information on ingredients

- **3.2 Chemical characterization: Mixtures**
- **Description:** Cosmetic Aerosol Sprays:
Filling: Cosmetic preparation which consists of an active agent, several products as well of ethanole
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 1, H220 Press. Gas, H280	
CAS: 106-97-8	butane, pure	< 60.0%
EINECS: 203-448-7	Flam. Gas 1, H220 Press. Gas, H280	
CAS: 74-98-6	propane liquefied	< 20.0%
EINECS: 200-827-9	Flam. Gas 1, H220 Press. Gas, H280	

4 First aid measures

- **4.1 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.
- **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.

5 Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** CO_2, 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** Carbon monoxide (CO)
Nitrogen oxide (NOx)
Carbon monoxide (CO)

(Contd. on page 3)

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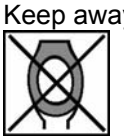
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(Contd. of page 2)

- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

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:** Absorb liquid components with liquid-binding material.
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.

7 Handling and storage

- **7.1 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.

- **7.2 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.
- **7.3 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)

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(Contd. of page 3)

- **8.1 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.

- **8.2 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

- **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/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: Partly miscible

- **Viscosity:**
  dynamic: Not determined.
  kinematic: Not determined.
- **9.2 Other information** No further relevant information available.

10 Stability and reactivity

- **10.1 Reactivity**
- **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

(Contd. on page 5)

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(Contd. of page 4)

- **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

11 Toxicological information

- **11.1 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

- **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.

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 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

- **14.1 UN-Number**
- **ADR, IMDG, IATA** UN1950
- **14.2 UN proper shipping name**
- **ADR** 1950 AEROSOLS
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable
- **14.3 Transport hazard class(es)**

- **ADR**
- Class 2 5F Gases.
- Label 2.1

(Contd. on page 6)

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(Contd. of page 5)

- **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 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 commoditiy for airtransport of finished goods in packages up to 30 kg possible (gross weight). DOT: ORM-D consumer commoditiy for road transport inside US
- ADR	
- Limited quantities (LQ)	1L
- Transport category	2
- Tunnel restriction code	D
- **UN "Model Regulation":**	UN1950, AEROSOLS, 2.1

15 Regulatory information

- **15.1 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
- **15.2 Chemical safety assessment:**	Not applicable. 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.
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. H280 Contains gas under pressure; may explode if heated.
- **Department issuing data specification sheet:**	Department: Environmental Sustainability and Safety
- **Contact:**	Hubertus Ziebell, Phone: +49-40-4909-4543
- Abbreviations and acronyms:	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 Harmonized 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)