

EEC Safety Data Sheet

Valid since: 29.11.1999
Replaces Sheet from: 08.11.1999
Printing date 21.07.2000

Revision: 1.3
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1. chemical product and company information

Trade name

Arti-Spray® Occlusion spray (BK 285, BK 286, BK 287, BK 288)

Details of manufacturer/shipper

Dr. Jean Bausch KG
Oskar-Schindler-Str. 4
50769 Köln
Germany

Phone

++49-221-70936-0

Fax

++49-221-70936-66

2. composition/information on ingredients

Chemical characteristics

Preparation

CAS-No.	Name	hazard symbol	R-phrase
106-97-8	Butane	F+	12

3. hazards identification

hazard symbol

R 12, highly inflammable
R 18, Vapour may form flammable mixtures with air
Bottle is under pressure

4. first aid measures

after inhalation

remove to fresh air. If victim has stopped breathing, give artificial respiration. Give immediately medical attention.

After skin contact

Wash the skin after contact with soap and water

After swallow

In the case of swallow arrange immediately for medical treatment

After eye contact

Irrigate immediately eyes with plenty of water for several minutes and consult physician
If symptoms persist.

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5. fire fighting measures

suitable extinguishing agents

CO2, extinguishing powder, foam or water dust

For safety reasons, unsuitable extinguishing agents

Jets of water

Special equipment for fire fighting

Wear self-contained-breathing-apparatus

6. accidental spill release measures

personal precautions

wear protective equipment. Keep unprotected persons at distance. If dust forms, use respiratory protection

environmental protection measures

do not discharge into the sewage system, surface water, groundwater

methods for cleaning up

sweep up spilt product with wax impregnated sawdust. Pick up avoiding dust. Clean floor and soiled objects with water and cleansing agents. The absorbed material must be disposed in accordance with local, state and federal regulations.

7. handling and storage

instructions for safety handling

Bottle is under pressure. Do not open by force or damage. Do not spray into open flames or on hot objects. Dispose only if complete empty. Do not smoke, drink or eat during work. Keep away from heat, sparks, flame, and all other ignition sources.

Requirements for storage rooms and containers

Protect against sun and heat above 50°C. Keep containers tightly sealed. Do not store Beside food.

8. exposure controls and personal protection

exposure control parameters

CAS – no	Name	value	unit
106-97-8	Butane	1.000	ppm

personal protection equipment

none

Hand protection

None

Eye protection

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None <i>Body protection</i> Wear antistatic clothing made of natural (e.g. cotton)
9. physical and chemical characteristics <i>material state</i> :spray <i>colour</i> : white, red, blue, green <i>odour</i> : perceptible <i>flash point</i> : < 0 °C <i>ignition temperature</i> : ca. 400 °C <i>density (at 20°C)</i> : 0,54 - 0,59 g/cm ³ <i>lower explosion limit</i> : 1,5 Vol. % <i>upper explosion limit</i> : 8,5 Vol. %
10. stability and reactivity <i>hazardous decomposition products</i> when used and stored properly, no decomposition will occur
11. toxicological information no sensitising, no skin and eye irritation in high concentrations a narcotic effect is possible, due to the propellant gas.
12. ecological information none
13. disposal considerations <i>recommendation</i> must be disposed of via an authorised waste/disposal company in accordance with the local state and federal regulations, e.g. suitable incineration plant, due to emission of hydrogen halide. Contaminated packing must be emptied completely.

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* 14. transport regulations

transport only according to the transport instructions for street (ADR), rail(RID), ocean(IMGD and air (ICAO/IATA)

country transport ADR/RID and GGVS/GGVE (border crossing / inland)

ADR / RID - GGVS / E - class: 2 figure 7 / letter: 5 F UN-No.: 1950

Ocean transport IMDG / GGW - sea

IMGD / GGV sea - class: 2 UN - No.: 1950 EMS-No. 2-13 MFAG: 620

Air transport ICAO-TI and IATA - DGR

Packing class: 2.1 UN-No.: 1950

Further declarations

Contains as propellant gas highly inflammable liquid gas

15. regulatory instruction

EEC marking and labelling

R-phrases

R 12 highly inflammable

R 18, Vapour may form flammable mixtures with air

S-phrases

S 2 keep out of children's reach

S 9 store container at a good ventilated room

S 16 keep away from ignition sources - do not smoke

S 16 protect against sun and heat above 50°C

Water hazard class

WHC 0 (self classification)

16. other details

further information

The details are based on our current state of knowledge, however, they do not constitute any assurance of product characteristics and cannot be the basis of any legal contractual relations.

* = changed