

# EEC Safety Data Sheet

Valid since: 01.07.1999  
Replaces Sheet from: 01.06.1994  
Printing date 21.07.2000

Revision: 1.0

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## 1. chemical product and company information

### Trade name

Arti-Spot® High Spot Indicator (BK 85, BK 86, BK 87)

### 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	% - content	R-phrase
141-78-6	Ethylacetat	30	11
67-30-0	Isopropanol	30	11
060-29-7	Diethylether	30 - 550%	12-19

## 3. hazards identification

### hazard symbol

R 12, highly inflammable  
R 11, flammable

## 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. Remove contaminated clothes.

### 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*

extinguishing powder, foam, water may be ineffective, but should be used to keep fire exposed containers cool

### *further information*

Keep away from heat, sparks, flame, and all other ignition sources.

Vapour may form flammable mixtures with air.

If a leak or spill has not ignited, use water spray to disperse vapours and to protect personal

Waterspray may be used to flush spills away from exposures and to dilute spills to Non-flammable mixtures.

### *Special equipment for fire fighting*

Wear self-contained-breathing-apparatus

## 6. accidental spill release measures

### *personal precautions*

ventilate rooms. Remove open flames and all ignition sources. Keep away from heat, sparks, flame, and all other ignition sources. Vapour may form flammable mixtures with air. Avoid skin contact. Keep unprotected persons at distance.

### *Environmental protection measures*

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

### *methods for cleaning up*

sweep up spilt product with liquid absorbing material. 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*

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*

Keep tightly closed, in a well ventilated area, away from heat, sparks, direct sunlight and Oxidizing agents. Room temperature (recommended: + 15 to 25 °C) not above 30 °C.

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## 8. exposure controls and personal protection

exposure control parameters

CAS – no	Name
141-78-6	Ethylacetat : 400ml/m <sup>3</sup> , 1500 mg/m <sup>3</sup>
67-30-0	Isopropanol : 400ml/m <sup>3</sup> , 980 mg/m <sup>3</sup>
060-29-7	Diethylether : 400ml/m <sup>3</sup> , 1200 mg/m <sup>3</sup>

*personal protection equipment*

*Hand protection*

Wear gloves

*Eye protection*

Wear safety glasses

*Body protection*

Wear antistatic clothing made of natural (e.g. cotton)

## 9. physical and chemical characteristics

*material state* :liquid

*colour*: white, red, blue

*odour* : fresh smell (alcohol with camphor)

*flash point* : < 0 °C

*ignition temperature*: ca. 200 °C

*density (at 20°C)* : 0,902 g/m<sup>3</sup>

*lower explosion limit* : 2,1 Vol. %

*upper explosion limit* : 13,5 Vol. %

## 10. stability and reactivity

generally stable, not unstable

*compatibility(materials to avoid)*

acetyl chloride and a wide range of oxidizing agents which may react violently with this product

*hazardous decomposition products*

carbon monoxide and/or dioxide can form on incomplete combustion

*further information*

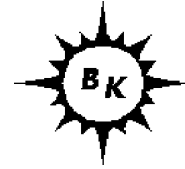
when heated, vapour may form explosionable mixtures with air

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## 11. toxicological information

toxicological effects are unknown  
in high concentrations a narcotic effect is possible, due to the components.

## 12. ecological information

none

## 13. disposal considerations

*recommendation*

must be disposed of via an authorised waste/disposal company in accordance with the local state and federal regulations, e.g. suitable incineration plant. Contaminated packing must be emptied completely.

## 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: 3 figure 7 / letter: 3 b

Ocean transport IMDG / GGW - sea  
IMGD / GGV sea - class: 3.2 UN - No. 1219 package class: II

Air transport ICAOTI and IATA - DGR  
Packing class: 3 UN-/ID No. 1219 package class: II

## 15. regulatory instruction

EEC marking and labelling

R-phrases

R 12 highly inflammable

S-phrases

- S 2 keep out of children's reach
- S 7 keep container tightly closed
- S 9 store container at a good ventilated room
- S 16 keep away from ignition sources - do not smoke
- S 47 do not store above 30°C

Water hazard class

WHC 1 (self classification)

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### **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.