

# Safety data sheet

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BASF Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 15.09.2009

Product: **WASP NEST DEST. MKII AEROSOL**

Version: 1.0

(30486304/SDS\_GEN\_GB/EN)

Date of print 18.09.2009

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## 1. Substance/preparation and company identification

### **WASP NEST DEST. MKII AEROSOL**

Use: Chemical

Company:BASF SE  
67056 Ludwigshafen  
GERMANYContact address:BASF PLC  
PO Box 4, Earl Road  
Cheadle Hulme, Cheshire  
GREAT BRITAIN  
SK8 6QG  
Telephone: +44 161 485-6222  
Telefax number: +44 161 4274  
E-mail address: product-safety-north@basf.comEmergency information:International emergency number:  
Telephone: +49 180 2273-112

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## 2. Hazard identification

### **Possible Hazards**

Extremely flammable.

Limited evidence of a carcinogenic effect.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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### 3. Composition/information on ingredients

#### Chemical nature

Biocidal product, insecticide

#### Hazardous ingredients

according to Directive 1999/45/EC

##### Tetramethrin

Content (W/W): 0.05 %  
CAS Number: 7696-12-0  
EC-Number: 231-711-6  
Hazard symbol(s): Xn, N  
R-phrases(s): 20, 50

##### tetrachloroethylene

Content (W/W): <= 50 %  
CAS Number: 127-18-4  
EC-Number: 204-825-9  
INDEX-Number: 602-028-00-4  
Hazard symbol(s): Xn, N  
R-phrases(s): 40, 51/53

##### dichloromethane

Content (W/W): <= 15 %  
CAS Number: 75-09-2  
EC-Number: 200-838-9  
INDEX-Number: 602-004-00-3  
Hazard symbol(s): Xn  
R-phrases(s): 40

##### 1,2,4-trimethylbenzene

Content (W/W): <= 9.5 %  
CAS Number: 95-63-6  
EC-Number: 202-436-9  
INDEX-Number: 601-043-00-3  
Hazard symbol(s): Xn, N  
R-phrases(s): 10, 20, 36/37/38, 51/53

##### Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified

Content (W/W): <= 9 %  
CAS Number: 64742-95-6  
EC-Number: 265-199-0  
INDEX-Number: 649-356-00-4  
Hazard symbol(s): Xn, N  
R-phrases(s): 10, 65, 66, 67, 51/53

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propylbenzene

Content (W/W):  $\leq 2.7 \%$   
CAS Number: 103-65-1  
EC-Number: 203-132-9  
INDEX-Number: 601-024-00-X  
Hazard symbol(s): Xn, N  
R-phrase(s): 10, 37, 51/53, 65

1,1,1,2-tetrafluoroethane

Content (W/W):  $\geq 20 \%$  -  $< 25 \%$   
CAS Number: 811-97-2  
EC-Number: 212-377-0

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

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## 4. First-Aid Measures

General advice:

Avoid contact with the skin, eyes and clothing. Immediately remove contaminated clothing. First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). If difficulties occur: Obtain medical attention. Show container, label and/or safety data sheet to physician.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Note to physician:

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, foam, dry extinguishing media

Specific hazards:

carbon monoxide, carbon dioxide, nitrogen oxides, chlorine compounds

The substances/groups of substances mentioned can be released in case of fire.

**Special protective equipment:**

Wear self-contained breathing apparatus and chemical-protective clothing.

**Further information:**

In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## 6. Accidental Release Measures

**Personal precautions:**

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately.

**Environmental precautions:**

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

**Methods for cleaning up or taking up:**

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.

Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Incinerate or take to a special waste disposal site in accordance with local authority regulations.

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## 7. Handling and Storage

Handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas.

**Protection against fire and explosion:**

Avoid all sources of ignition: heat, sparks, open flame.

Storage

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect from direct sunlight. Keep at temperature not exceeding 50°C. Keep out of the reach of children. Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.

**Storage stability:**

Storage duration: 24 Months

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## 8. Exposure controls and personal protection

### Components with workplace control parameters

127-18-4: tetrachloroethylene

TWA value 345 mg/m<sup>3</sup> ; 50 ppm (EH40 (UK))

STEL value 689 mg/m<sup>3</sup> ; 100 ppm (EH40 (UK))

811-97-2: 1,1,1,2-tetrafluoroethane

TWA value 4,240.000000 mg/m<sup>3</sup> ; 1,000.000000 ppm (EH40 (UK))

75-09-2: dichloromethane

TWA value 350 mg/m<sup>3</sup> ; 100 ppm (EH40 (UK))

STEL value 1,060 mg/m<sup>3</sup> ; 300 ppm (EH40 (UK))

Skin Designation (EH40 (UK))

The substance can be absorbed through the skin.

95-63-6: 1,2,4-trimethylbenzene

TWA value 100 mg/m<sup>3</sup> ; 20 ppm (OEL (EU))

TWA value 125 mg/m<sup>3</sup> ; 25 ppm (EH40 (UK))

### Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Combination filter for gases/vapours of organic, inorganic, acid inorganic, alkaline compounds and toxic particles (e. g. EN 14387 Type ABEK-P3)

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is recommended. Do not breathe spray. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. No eating, drinking, smoking or tobacco use at the place of work. Hands and/or face should be washed before breaks and at the end of the shift.

## 9. Physical and Chemical Properties

Form: aerosol  
Colour: slightly yellow  
Odour: slight odour, of petroleum distillate (e.g. gasoline, kerosene)

*Information on: Ethene, tetrachloro-*  
Boiling point: 120 - 122 °C  
(1,013 mbar)

*Information on: solvent naphtha*  
Boiling range: 159 - 170 °C

*Information on: Methane, dichloro-*  
Boiling point: 39 - 40 °C

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*Information on: Solvent AR 310*  
Flash point: 42 °C

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Flammability: Extremely flammable. (calculated)  
Explosion hazard: not explosive  
Fire promoting properties: not fire-propagating

Density: approx. 1 g/cm<sup>3</sup>  
(20 °C)

Solubility in water: immiscible

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## 10. Stability and Reactivity

Conditions to avoid:  
Temperature: > 50 °C  
Avoid all sources of ignition: heat, sparks, open flame.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:  
No data available.

Corrosion to metals: No data available.

Hazardous reactions:  
No hazardous reactions if stored and handled as prescribed/indicated.

Hazardous decomposition products:  
No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Acute toxicity

Experimental/calculated data:  
LD50 rat (oral): > 2,000 mg/kg

*Information on: Ethene, tetrachloro-*

*Experimental/calculated data:*

*LC50 rat (by inhalation): 4000 ppm 4 h (Directive 84/449/EEC, B.2)*  
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### Irritation

Experimental/calculated data:  
Skin corrosion/irritation rabbit: non-irritant

Serious eyes damages/irritation rabbit: non-irritant

### Respiratory/Skin sensitization

Experimental/calculated data:  
guinea pig: Non-sensitizing.

### Carcinogenicity

Assessment of carcinogenicity:  
Limited evidence of a carcinogenic effect.

### Other relevant toxicity information

Misuse can be harmful to health.

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## 12. Ecological Information

### Ecotoxicity

Assessment of aquatic toxicity:  
Acutely harmful for aquatic organisms. The ecological data given are those of the active ingredient.

*Information on: Tetramethrin*

*Toxicity to fish:*

*LC50 (96 h) 0.0037 mg/l, Oncorhynchus mykiss*  
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*Information on: Tetramethrin*

*Aquatic invertebrates:*

*EC50 (48 h) 0.11 mg/l, Daphnia magna*  
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**Persistence and degradability***Information on: Ethene, tetrachloro-**Assessment biodegradation and elimination (H<sub>2</sub>O):**Not readily biodegradable (by OECD criteria).*  
-----**Additional information**

Other ecotoxicological advice:

Do not discharge product into the environment without control.

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**13. Disposal Considerations**

Must be dumped or incinerated in accordance with local regulations.

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).

This product and any uncleaned containers must be disposed of as hazardous waste in accordance with the 2005 Hazardous Waste Regulations and amendments (GB)

Contaminated packaging:

Emptied gas pressure vessels must not be opened.

This material and its container must be disposed of in a safe way.

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**14. Transport Information****Land transport**

ADR

Hazard class:	2
Classification code:	F
ID number:	UN 1950
Hazard label:	2.1, EHSM
Proper shipping name:	AEROSOLS (contains SOLVENT NAPHTHA)

RID

Hazard class:	2
Classification code:	F
ID number:	UN 1950
Hazard label:	2.1, EHSM
Proper shipping name:	AEROSOLS (contains SOLVENT NAPHTHA)

**Inland waterway transport**

ADNR

Hazard class:	2
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Classification code: F  
ID number: UN 1950  
Hazard label: 2.1, EHSM  
Proper shipping name: AEROSOLS (contains SOLVENT NAPHTHA)

**Sea transport****IMDG**

Hazard class: 2.1  
ID number: UN 1950  
Hazard label: 2.1, EHSM  
Marine pollutant: NO  
Proper shipping name: AEROSOLS (contains SOLVENT NAPHTHA)

**Air transport****IATA/ICAO**

Hazard class: 2.1  
ID number: UN 1950  
Hazard label: 2.1  
Proper shipping name: AEROSOLS (contains SOLVENT NAPHTHA)

**Further information**

This product is subject to The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 and their amendments (United Kingdom).

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**15. Regulatory Information****Regulations of the European union (Labelling) / National legislation/Regulations****Directive 1999/45/EC ('Preparation Directive')**

## Hazard symbol(s)

F+ Extremely flammable.  
Xn Harmful.  
N Dangerous for the environment.

## R-phrases(s)

R40 Limited evidence of a carcinogenic effect.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## S-phrases(s)

S2	Keep out of the reach of children.
S16	Keep away from sources of ignition - No smoking.
S23.1	Do not breathe spray.
S29	Do not empty into drains.
S35	This material and its container must be disposed of in a safe way.
S36/37	Wear suitable protective clothing and gloves.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.
S46	If swallowed, seek medical advice immediately and show this container or label.
S51	Use only in well-ventilated areas.

Hazard determining component(s) for labelling: Tetramethrin, DICHLOROMETHANE, TETRACHLOROETHYLENE, SOLVENT NAPHTHA

Container is under pressure. Protect from sun and temperatures above 50 °C. Do not open with force or incinerate even after use.  
Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of reach of children.

### Other regulations

The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom).

This product is classified under the Chemicals (Hazard Information and Packaging) Regulations, (CHIP) (United Kingdom).

This product may be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments if specific threshold tonnages are exceeded (United Kingdom).

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## 16. Other Information

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 3:

Xn	Harmful.
N	Dangerous for the environment.
20	Harmful by inhalation.
50	Very toxic to aquatic organisms.
40	Limited evidence of a carcinogenic effect.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
10	Flammable.
36/37/38	Irritating to eyes, respiratory system and skin.
65	Harmful: may cause lung damage if swallowed.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.
37	Irritating to respiratory system.

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If you have any queries relating to this MSDS, it's contents or any other product safety related questions, please write to the following e-mail address: [product-safety-north@basf.com](mailto:product-safety-north@basf.com)

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