

Safety data sheet

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BASF Safety data sheet according to 91/155/EEC

Date / Revised: 21.07.2003

Product: **ABATE 1 SG**

Version: 1.0

(30131920/SDS_CPA_EU/EN)

Date of print 22.07.2003

1. Substance/preparation and company identification**ABATE 1 SG**Company:

BASF Aktiengesellschaft

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2. Composition/information on ingredientsChemical nature

crop protection agents, insecticide

Hazardous ingredients

Temephos

Content (W/W): 1 %

CAS Number: 3383-96-8

Hazard symbol(s): Xn, N

R-phrase(s): 20, 50/53

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

3. Hazard identification

Irritating to eyes.

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

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4. First-aid measures

General advice:

Avoid contact with the skin, eyes and clothing. Remove contaminated clothing. 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:

Immediately wash thoroughly with soap and water, 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:

Rinse mouth immediately and then drink plenty of water, seek medical attention.

Note to physician:

Treatment: Treat according to symptoms (decontamination, vital function), administer atropine for cholinesterasis inhibition.

5. Fire-fighting measures

Suitable extinguishing media:

water spray, foam, water fog, dry extinguishing media, carbon dioxide

Specific hazards:

carbon monoxide, carbon dioxide, toxic gases/vapours, Phosphorus compounds, sulfur oxides
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.

6. Accidental release measures

Personal precautions:

Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

Environmental precautions:

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

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Methods for cleaning up or taking up:
For small amounts: Sweep/shovel up.
For large amounts: Sweep/shovel up.
Cleaning operations should be carried out only while wearing breathing apparatus. Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

7. Handling and storage

Handling

No special measures necessary if stored and handled correctly.

Protection against fire and explosion:

Dust can form an explosive mixture with air. Avoid dust formation. Avoid deposition of dust. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Storage

Segregate from foods and animal feeds. Segregate from strong oxidizing agents.
Further information on storage conditions: Protect against moisture. Keep away from heat. Protect from direct sunlight.

Storage stability:

Storage duration: 24 Months

Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

8. Exposure controls and personal protection

Personal protective equipment

Respiratory protection:

Breathing protection if breathable aerosols/dust are formed. Particle filter EN 143 Type P2, medium efficiency, (solid and liquid particles of harmful substances).

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), polyvinylchloride (0.7 mm) and other

Eye protection:

Tightly fitting safety goggles (splash goggles) (EN 166)

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Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to DIN-EN 465).

General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is recommended. The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. No eating, drinking, smoking or snuff-taking at the place of work. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and chemical properties

Form:	granules
Colour:	brown
Odour:	of mercaptans
Bulk density:	1.200 - 1.520 kg/m ³

10. Stability and reactivity

Conditions to avoid:
> 49 °C

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

Substances to avoid:
strong oxidizing agents, alkalis

Hazardous reactions:
No hazardous reactions when stored and handled according to instructions.

Hazardous decomposition products: No hazardous decomposition products known.

11. Toxicological information

LD50/oral/rat/male: > 5.000 mg/kg

Information on: Temephos

LC50/by inhalation/rat: > 4,8 mg/l / 4 h

LD50/dermal/rat/male: > 5.000 mg/kg

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Primary skin irritation/rabbit: non-irritant
The data on toxicology refer to the active ingredient.

Primary irritations of the mucous membrane/rabbit: Irritant.

Sensitization/guinea pig: Non-sensitizing.
The data on toxicology refer to the active ingredient.

Additional information:

Misuse can be harmful to health.

12. Ecological information

Ecotoxicity

Information on: Temephos

Toxicity to fish:

Oncorhynchus mykiss/LC50 (96 h): 31,8 mg/l

Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

13. Disposal considerations

Must be dumped or incinerated in accordance with local regulations.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport information

Not classified as hazardous under transport regulations (ADR RID ADNR IMDG/GGVSee ICAO/IATA)

15. Regulatory information

Regulations of the European union (Labelling) / National legislation/Regulations

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EEC Directives:

Hazard symbol(s)

Xi Irritant.

R-phrases)

R36 Irritating to eyes.

S-phrases)

S2 Keep out of reach of children.

S13 Keep away from food, drink and animal feeding stuffs.

S20/21 When using, do not eat, drink or smoke.

S46 If swallowed, seek medical advice immediately and show this container or label.

Other regulations

For the user of this plant-protective product applies: 'To avoid risks to man and the environment, comply with the instructions for use.' (Directive 1999/45/EC, Article 10, No. 1.2)

16. Other information

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 2:

Xn Harmful.

N Dangerous for the environment.

20 Harmful by inhalation.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.