

Safety data sheet

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BASF Safety data sheet according to 91/155/EEC

Date / Revised: 11.01.2005

Product: **FASTAC 100 G/L EC**

Version: 1.3

310 07 I

(30132339/SDS_CPA_EU/EN)

Date of print 08.11.2005

1. Substance/preparation and company identification

FASTAC 100 G/L EC

Company:BASF Aktiengesellschaft
67056 LudwigshafenContact address:Unternehmensbereich Pflanzenschutz
Telephone: 0621-60-79321/ 79145
Telefax number: 0621-60-79519
E-mail address: Produktinformation-Pflanzenschutz@basf-ag.deEmergency information:Fire brigade BASF Ludwigshafen
Telephone: 0621-60-43333
Telefax number: 0621-60-92664

2. Composition/information on ingredients

Chemical nature

crop protection product, insecticide, emulsion concentrate (EC)

Hazardous ingredients

alpha-Cypermethrin

Content (W/W): 10.9 %
CAS Number: 67375-30-8
Hazard symbol(s): T, N
R-phrases: 25, 37, 48/22, 50/53

| solvent naphtha

Content (W/W): 78.2 %
CAS Number: 64742-95-6
EC-Number: 265-199-0
Hazard symbol(s): Xn, N
R-phrases: 10, 37, 65, 66, 67, 51/53

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calciumdodecylbenzenesulfonate in isobutyl alcohol
Content (W/W): 3.7 %
Hazard symbol(s): Xn
R-phrase(s): 10, 20, 36/38

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

3. Hazard identification

Flammable.
Harmful by inhalation.
Toxic if swallowed.
Irritating to respiratory system.
May cause sensitization by skin contact.
Toxic: danger of serious damage to health by prolonged exposure if swallowed.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Harmful: may cause lung damage if swallowed.
Repeated exposure may cause skin dryness or cracking.
Vapours may cause drowsiness and dizziness.
May cause paraesthesia.

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:

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:

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

Note to physician:

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

5. Fire-fighting measures

Suitable extinguishing media:
water fog, carbon dioxide, foam, dry extinguishing media

Specific hazards:
carbon monoxide, carbon dioxide, hydrogen chloride, hydrogen cyanide
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. 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.

7. Handling and storage

Handling

No special measures necessary if stored and handled correctly.

Protection against fire and explosion:
Vapours may form ignitable mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Storage

Segregate from foods and animal feeds.

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Unsuitable materials for containers: High density polyethylene (HDPE)
Further information on storage conditions: Keep away from heat. Protect against moisture. Protect from direct sunlight. Store protected against freezing.

Storage stability:
Storage duration: 24 Months

Protect from temperatures below: 0 °C
Changes in the properties of the product may occur if substance/product is stored below indicated temperature for extended periods of time.
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

Components with workplace control parameters

| 64742-95-6: solvent naphtha

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Particle filter EN 143 Type P3 (high efficiency (solid and liquid particles of toxic and very toxic 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)

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. Take off immediately all contaminated clothing. 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.

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9. Physical and chemical properties

Form:	liquid
Colour:	clear
Odour:	solvent-like
Flash point:	47 °C
Density:	approx. 0.92 g/cm ³ (20 °C)
Solubility in water:	emulsifiable

10. Stability and reactivity

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

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.

11. Toxicological information

LD50/oral/rat/male/female: 123 mg/kg

LC50/by inhalation/rat/male/female: > 2.19 mg/l

LD50/dermal/rat/male/female: > 2,000 mg/kg

Primary skin irritation/rabbit: Irritant.

Primary irritations of the mucous membrane/rabbit: Irritant.

Sensitization/guinea pig: Caused sensitization in animal studies.

Additional information:

Misuse can be harmful to health.

12. Ecological information

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Ecotoxicity

Information on: alpha-Cypermethrin
Toxicity to fish:
Oncorhynchus mykiss/LC50 (96 h): 0.0028 mg/l

Aquatic invertebrates:
Daphnia magna/EC50 (48 h): 0.0015 mg/l
The product has not been tested. The statement has been derived from products of a similar structure and composition.

Information on: alpha-Cypermethrin
Aquatic plants:
Pseudokirchneriella subcapitata/EC50 (96 h): > 0.1 mg/l

Persistence and degradability

Elimination information
Information on: alpha-Cypermethrin
Evaluation: Not readily biodegradable (by OECD criteria).

Additional information

Other ecotoxicological advice:
Very toxic (acute effect) to aquatic organisms. 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.

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14. Transport information

Land transport

ADR : Class 6.1
 Packaging group III
 UN-number 3351
 Designation of goods PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE. (Contains: ALPHA-CYPERMETHRINE 11%, AROMATIC HYDROCARBONS)

RID : Class 6.1
 Packaging group III
 UN-number 3351
 Designation of goods PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE. (Contains: ALPHA-CYPERMETHRINE 11%, AROMATIC HYDROCARBONS)

Inland waterway transport

ADNR : Class 6.1
 Packaging group III
 UN-number 3351
 Designation of goods PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE. (Contains: ALPHA-CYPERMETHRINE 11%, AROMATIC HYDROCARBONS)

Sea transport

IMDG/GGVSee : Class 6.1
 Packaging group III
 UN-number 3351
 Marine pollutant YES
 Exact technical name PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE. (contains ALPHA-CYPERMETHRINE 11%, AROMATIC HYDROCARBONS)

Air transport

ICAO/IATA : Class 6.1
 Packaging group III
 UN-number 3351
 Exact technical name PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE. (contains ALPHA-CYPERMETHRINE 11%, AROMATIC HYDROCARBONS)

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15. Regulatory information

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

EEC Directives:

Hazard symbol(s)

T Toxic.
N Dangerous for the environment.

R-phrases(s)

R10 Flammable.
R20 Harmful by inhalation.
R25 Toxic if swallowed.
R37 Irritating to respiratory system.
R43 May cause sensitization by skin contact.
R48/25 Toxic: danger of serious damage to health by prolonged exposure if swallowed.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

S-phrases(s)

S1 Keep locked up.
S13 Keep away from food, drink and animal feeding stuffs.
S20/21 When using do not eat, drink or smoke.
S24 Avoid contact with skin.
S35 This material and its container must be disposed of in a safe way.
S37 Wear suitable gloves.
S57 Use appropriate container to avoid environmental contamination.
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Hazard determinant component(s) for labelling: ALPHA-CYPERMETHRINE, SOLVENT NAPHTHA, CALCIUMDODECYLBENZENESULFONATE IN ISOBUTYL ALCOHOL

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:

T	Toxic.
N	Dangerous for the environment.
Xn	Harmful.
25	Toxic if swallowed.
37	Irritating to respiratory system.
48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
10	Flammable.
65	Harmful: may cause lung damage if swallowed.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
20	Harmful by inhalation.
36/38	Irritating to eyes and skin.

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.