

Safety Data Sheet

(according to European Community Legislation)

release date 22-MAY-2002
replaces all previous editions

Trade Name Syngenta

MATCH 050 EC

1. Identification of the substance / preparation and of the company / undertaking

Identification of the substance or preparation

Trade Name Syngenta MATCH 050 EC
Design Code A7814B
AGI Code 160966

Company / undertaking identification

Company Syngenta Crop Protection AG
P.O. Box
CH-4002 Basel
Switzerland
Phone +41 61 323 11 11
Fax +41 61 323 12 12

Product Information Phone (office hours) +41 61 323 40 40

Emergency **Phone (24h) +41 61 323 33 33**

Emergency Information concerning
- transport see emergency phone number in the shipping documents
- storage see emergency phone number of local Syngenta organization

2. Composition / information on ingredients

Chemical characteristic

| | | | | |
|------------------------|--|-------|--------------------|----------------|
| Formulation type | Emulsifiable concentrate | | | |
| Use | Insecticide | | | |
| Active ingredient(s) | 5 | % w/v | lufenuron (pa ISO) | CGA184699 |
| Hazardous Component(s) | | | | |
| CAS | Name | % w/w | Hazard Symbol | Special Risks |
| 103055-07-8 | benzamide, N-[[[2,5-dichloro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]amino]carbonyl]-2,6-difluoro- | 4.4 | N,Xi | 43-50/53 |
| 70528-83-5 | benzenesulfonic acid, dodecyl-, branched, calcium salts | 1 - 3 | C | 20/21-34 |
| 78-83-1 | 1-propanol, 2-methyl- | 1 - 3 | Xi | 10-37/38-41-67 |
| 96-48-0 | 2(3H)-furanone, dihydro- | 1 - 5 | Xn | 22-36 |

For information on exposure limit values see section 8.

3. Hazards Identification

Health Hazards: Slight.

Environmental hazard in case of accident (Spillage/Leakage): Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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4. First-Aid Measures

First-Aid Measures

General: Remove the affected person from the danger zone to a well-ventilated room or to fresh air, and protect from undercooling.

Eye Contact: Rinse eyes with clean water for several minutes .

Ingestion: Repeatedly administer medicinal charcoal in a large quantity of water. NOTE: Never give anything by mouth to an unconscious person. Do not induce vomiting.

Skin Contact: Remove contaminated clothing and thoroughly wash the affected parts of the body with soap and water.

Inhalation: Immediately remove to fresh air.

Medical Instructions

Antidote: No specific antidote is known! Apply symptomatic therapy.

Experiences Specific to Man: No case of human poisoning is on record.

5. Fire-Fighting Measures

Combustibility: This product is combustible.

Extinguishing media

Suitable Extinguishing Media: Dry chemical extinguisher, foam, carbon dioxide or waterspray (do not use direct jet of water).

Fire fighting

Special Hazards during Fire Fighting: Combustion products are toxic and/or irritant. Measures have to be taken to prevent the contaminated extinguishing agent from seeping into the ground or from spreading uncontrollably.

Protective Equipment for Fire Fighting: Use self contained breathing apparatus. Wear protective equipment.

Swiss Fire Prevention Class: F4 S

6. Accidental Release Measures

Environmental Protection Measures following Accidents: Cover up product with absorptive material such as sand, soil, diatomaceous earth, etc. and dispose of in an incinerator approved for chemicals. Collect material in specially marked, tightly closing containers. Spilled product cannot be used further and must be disposed of. If safe disposal is not possible, contact the manufacturer, the dealer or the local representative. Do not contaminate waters and sewers.

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7. Handling and Storage

Handling information

General: Avoid contact with skin, eyes and clothing. Avoid inhalation of fog and vapours. Do not eat, drink or smoke while working. In addition to the measures usually taken in chemical works like splashproof filling and measuring equipment (including vapour stripping), further personal protection measures may have to be implemented to avoid possible contact with the product.

Storage information

Special Instructions for Storage: Store the product in closed original containers. Protect from light and humidity.

Storage Compatibility with other Products: Store separately from feed, food and stimulants.

Storage Temperature

Max. Storage Temperature: 35 °C

Min. Storage Temperature: -10 °C

8. Exposure controls / Personal protection

Germany (isobutanol)

MAK (DFG): 100 ppm; 310 mg/m³

Notes: C

Switzerland (isobutanol)

MAK (SUVA): 150 mg/m³; 50 ppm

STEL (SUVA): 100 ppm; 300 mg/m³

Notes: C

USA (isobutanol)

TWA (ACGIH): 152 mg/m³; 50 ppm

IDLH (NIOSH): 1600 ppm

Personal protective equipment

In General: Change working clothes daily.

Breathing Protection: In case of heavy exposure, wear: Gas mask with universal filter.

Eye Protection: Goggles or face-shield.

Hand Protection: Chemical-resistant gloves.

Body Protection: Heavy duty cotton or synthetic fabric working clothes (e.g. overalls).

Precautionary measures after work: Wash thoroughly (shower, bathe, wash hair). Change clothing. Thoroughly clean protective gear. Thoroughly clean contaminated equipment with soap or soda solution.

9. Physical and Chemical Properties

| | | |
|--------------------------------|---|-------------|
| Form: | liquid | |
| Color: | light yellow to dark yellow | |
| Physical State: | liquid | |
| Flash-Point: | 70 °C (988.325 hPa; DIN 51758) | DIN 51758 |
| Density: | 1.13 g/cm ³ (20 °C) | EEC A3 |
| pH Value: | 5.1 (1 %; in deionised water; >= 0.0 %; 20 - 25 °C) | CIPAC MT 75 |
| Miscibility with water: | miscible | |

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10. Stability and Reactivity

Chemical Stability

Assessment: Stable under standard conditions.

11. Toxicological Information

Acute Oral Toxicity

LD50: > 4000 mg/kg (rat)

Acute Dermal Toxicity

LD50: > 4000 mg/kg (rat)

Acute Skin Irritation: non irritant (rabbit)

Acute Eye Irritation: non irritant (rabbit)

Skin Sensitization: not sensitizing (guinea pig)

12. Ecological Information

Acute Toxicity to Fish

LC50: ca 50 mg/l

Growth Inhibition, Algae

EC50: ca 20 mg/l

Toxicity to Aquatic Invertebrates

EC50: ca 0.002 mg/l

13. Disposal Considerations

Disposal

Product Disposal: Pay attention to protective clothing and measures. Cover up product with absorptive material such as sand, soil, diatomaceous earth, etc. Collect material in specially marked, tightly closing containers. Clean dirty areas with water and detergent. Put washing water in containers too, to avoid any contamination of surface and ground water, water supplies and drains. Hose down the area for a prolonged period. Heavily contaminated soil layers have to be dug out down to clean soil. Spilled product cannot be used further and must be disposed of. If safe disposal is not possible, contact the manufacturer, the dealer or the local representative and dispose of in an incinerator approved for chemicals.

Container Disposal: Dispose of empty containers in an incinerator approved for chemicals. Damaged containers: Place original containers in specially marked larger ones. Check possibilities of recycling large empty containers, drums and barrels.

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14. Transport Information

Special Information: Use unbreakable containers, make sure they cannot fall, and label in accordance with regulations.

Rail / Road (RID / ADR) Not classified as dangerous good

Sea (IMDG-Code)

| Class | UN no. | Pack. Group |
|-------|--------|-------------|
| 9 | 3082 | III |

Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Additional Information

(LUFENURON 5%)

Marine pollutant

yes

Air (ICAO / IATA)

Not classified as dangerous good

Swiss POST: 1 (not restricted for Switzerland)

15. Regulatory Information

EU-Classification

Labelling Requirement

not required

International

WHO Toxicity Classification

-

III: Product unlikely to present acute hazard in normal use

Weight limit (Switzerland)

as prescribed by accident regulations

200000 kg

16. Other Information

The information contained herein is based on the present state of our knowledge as is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.
