

Fenoxycarb

I - IDENTIFICATION OF THE PRODUCT AND THE COMPANY

1. Identification of the product: Fenoxycarb

1.1 Product identifier

Product name: Fenoxycarb 25% WG

CAS-No.: 72490-01-8

Identified uses: Manufacture of substances, Insecticide

1.2 Details of the supplier of the safety data sheet

Company: March Chemicals Co.,Ltd

Tel: +86-571-85814681

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II - HAZARDS IDENTIFICATION

2.1 Classification of the preparation

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Chronic aquatic toxicity (Category 2)

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

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

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram



Hazard statement(s)

H411: Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P273: Avoid release to the environment.

P391: Collect spillage.

P501: Dispose of contents/ container to an approved waste disposal plant.

2.3 Other hazards: May form flammable dust-air mixture.

III - COMPOSITION / INFORMATION ON INGREDIENTS

Common name: Fenoxycarb

Formula: C₁₇H₁₉NO₄

Molecular Weight: 301.3 g/mol

CAS-No.: 72490-01-8

Classification: Aquatic Acute1; H400 Aquatic Chronic1; H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

IV - FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Have the product container, label or Material Safety Data Sheet with you when calling the Syngenta emergency number, a poison control center or physician, or going for treatment.

Inhalation: Move the victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or poison control centre immediately.

Skin contact: Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

Ingestion: If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

4.2 Indication of any immediate medical attention and special treatment needed: There is no specific antidote available. Treat symptomatically.

V - FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Small fires-Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Large fires-Alcohol-resistant foam or water spray.

Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture: As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion. Exposure to decomposition products may be a hazard to health.

5.3 Advice for firefighters: Wear full protective clothing and self-contained breathing apparatus. Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.

5.4 Further information: No data available

VI - ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures: Avoid dust formation.

6.2 Environmental precautions: Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up: Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations. Do not create a powder cloud by using a brush or compressed air. Clean contaminated surface thoroughly.

If the product contaminates rivers and lakes or drains inform respective authorities.

6.4 Reference to other sections: For protective measures see section 7 and 8. For disposal see section 13.

VII - HANDLING AND STORAGE

7.1 Precautions for safe handling: This material is capable of forming flammable dust clouds in air, which, if ignited, can produce a dust cloud explosion. Flames, hot surfaces, mechanical sparks and electrostatic discharges can serve as ignition sources for this material. Electrical equipment should be compatible with the flammability characteristics of this material. The flammability characteristics will be made worse if the material contains traces of flammable solvents or is handled in the presence of flammable solvents. This material can become readily charged in most operations. Avoid contact with skin and eyes. When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs.

Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

7.3 Specific end uses: Registered Crop Protection products: For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure controls

Appropriate engineering controls: Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. If airborne dust is generated, use local exhaust ventilation controls. Assess

exposure and use any additional measures to keep airborne levels below any relevant exposure limit. Where necessary, seek additional occupational hygiene advice.

Personal protective equipment

Protective measures

The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice. Personal protective equipment should be certified to appropriate standards.

Eye/face protection

Eye protection is not usually required. Follow any site specific eye protection policies.

Hand protection

Chemical resistant gloves are not usually required. Select gloves based on the physical job requirements.

Skin and body protection

No special protective equipment required. Select skin and body protection based on the physical job requirements.

Respiratory protection

No personal respiratory protective equipment normally required. A particulate filter respirator may be necessary until effective technical measures are installed.

IX - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form: Solid, granules

Color: Grey to brown

Odour: No data available

Odour Threshold: No data available

pH: 8 - 11 at 1 % w/v

Melting point/freezing point: No data available

Initial boiling point and boiling range: No data available

Flash point: No data available

Evaporation rate: No data available

Flammability (solid, gas): Not highly flammable

Upper/lower flammability or explosive limits: No data available

Vapour pressure: No data available

Vapour density: No data available

Relative density: No data available

Solubility: No data available

Partition coefficient: n- octanol/water: No data available

Autoignition temperature: 270 °C

Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: Not explosive

Oxidizing properties: Not oxidizing

9.2 Other information

Minimum ignition temperature: 550 °C

Dust explosion class: Forms flammable dust clouds.

Minimum ignition energy: 0.3 - 1 J

Bulk density: 0.4 - 0.7 g/cm³

Surface tension: 42.9 mN/m at 20 °C

Burning number : 2 at 20 °C, 5 at 100 °C

X - STABILITY AND REACTIVITY

10.1 Reactivity: No data available

10.2 Chemical stability: No data available

10.3 Possibility of hazardous reactions: None known. Hazardous polymerisation does not occur.

10.4 Conditions to avoid: No data available

10.5 Incompatible materials: No data available

10.6 Hazardous decomposition products: Combustion or thermal decomposition will evolve toxic and irritant vapors.

XI - TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - rat →5,000 mg/kg

LD50 Dermal - rat - > 2,000 mg/kg

LC50 Inhalation – rat - > 3,481 mg/m³, 4 h

Skin corrosion/irritation: Rabbit: Non-irritating

Serious eye damage/eye irritation: Rabbit: Non-irritating

Respiratory or skin sensitization: Guinea pig: Not a skin sensitizer in animal tests.

Germ cell mutagenicity: Did not show mutagenic effects in animal experiments.

Carcinogenicity: Did not show carcinogenic effects in animal experiments.

Teratogenicity: Did not show teratogenic effects in animal experiments.

Reproductive toxicity: Did not show reproductive toxicity effects in animal experiments.

STOT - repeated exposure: No adverse effect has been observed in chronic toxicity tests.

XII - ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish: LC50 - *Oncorhynchus mykiss* (rainbow trout) – 9.4 mg/l - 96.0 h

Toxicity to aquatic invertebrates: EC50 - *Daphnia magna* Straus – 5.9mg/l – 48.0h

12.2 Persistence and degradability: Biodegradable

12.3 Bioaccumulative potential: Fenoxycarb bioaccumulates.

12.4 Mobility in soil: Fenoxycarb has low to slight mobility in soil.

12.5 Results of PBT and vPvB assessment: This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects: No data available

XIII - DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Methods of disposal: Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.

Hazardous waste: Empty remaining contents. Triple rinse containers. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

XIV - TRANSPORT INFORMATION

ADR/RID IMDG IATA

14.1 UN number: 3077

14.2 UN proper shipping name

ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (FENOXYCARB)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (FENOXYCARB)

IATA: Environmentally hazardous substance, solid, n.o.s. (Fenoxycarb)

14.3 Transport hazard class (es): 9

14.4 Packaging group: III

14.5 Environmental hazards: yes

14.6 Further information: No data available

XV - REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Hazard statements

H411: Toxic to aquatic life with long lasting effects.

Precautionary statements

P273: Avoid release to the environment.

P391: Collect spillage.

P501: Dispose of contents/ container to an approved waste disposal plant.

15.2 Chemical Safety Assessment: A Chemical Safety Assessment is not required for this substance.

XVI - OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information this document is based on the resent state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.