

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY OR UNDERTAKING

IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

Tradename **APHOX**
 Design Code **A10788A**
 AGI Code **1001442**

COMPANY/UNDERTAKING IDENTIFICATION

Company Syngenta Crop Protection UK Ltd
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 Website www.syngenta-crop.co.uk

Emergency Phone 0044 (0)1484 538444 (24h)

2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

CAS-NO.	EC-NO.	CHEMICAL NAME	CONCENTRATION (% W/W)	HAZARD SYMBOLS	RISK PHRASES (R)
23103-98-2	245-430-1	pirimicarb	50	N,T	25,50/53
577-11-7	209-406-4	butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt	5-10	Xi	36/38
14807-96-6	238-877-9	talc (Mg ₃ H ₂ (SiO ₃) ₄)	20-30	-	-

For the full text of the R phrases mentioned in this section, see section 16.

3. HAZARDS IDENTIFICATION

Toxic if swallowed. Harmful by inhalation. This product contains an anticholinesterase compound. Do not use if under medical advice not to work with such compounds. Irritating to eyes. May form flammable dust-air mixture. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. 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 Centre or physician, or going for treatment.

Inhalation: Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. 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.

INSECTICIDE

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

Symptoms: The symptoms are of cholinesterase inhibition.

MEDICAL ADVICE

Call Syngenta at the emergency number shown in this document, a Poison Control Centre or doctor immediately for treatment advice. Consider taking venous blood for determination of blood cholinesterase activity (use heparin tube). Administer atropine sulphate, either by intramuscular or intravenously, dependant on severity of poisoning. Since there is no therapeutic effect, the use of oxime preparations (or other cholinesterase reactivators) is contraindicated.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Extinguishing media – small fires: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media – large fires: Alcohol-resistant foam, water spray.

Extinguishing media which must not be used for safety reasons: Do not use a solid water stream as it may scatter and spread fire.

Specific hazards during fire fighting: As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health.

Special protective equipment for fire fighters: In the event of fire, wear self-contained breathing apparatus.

Further information: Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to protective measures listed in Sections 7 and 8. Avoid dust formation.

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

Methods for cleaning up: Pick up and arrange disposal without creating dust. Do not create a powder cloud by using a brush or compressed air. Clean contaminated surface thoroughly.

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

7. HANDLING AND STORAGE

HANDLING

Advice on 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. Avoid contact with skin and eyes. When using, do not eat, drink or smoke. For personal protection see Section 8.

I N S E C T I C I D E

STORAGE

Requirements for storage areas and containers: 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 feed.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**COMPONENTS WITH WORKPLACE CONTROL PARAMETERS**

SYNGENTA Standard, Pirimicarb, 8 hr TWA, 1 mg/m³
OES/HSE EH40/2002, Talc (Respirable Dust), 8 hr TWA, 1 mg/m³

ENGINEERING MEASURES

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

When using this product refer to the label for details. In all other cases, use the following 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.

Respiratory protection: A particulate filter respirator may be necessary until effective technical measures are installed. Protection provided by air-purifying respirators is limited. Use a self-contained breathing apparatus in cases of emergency spills, when exposure levels are unknown, or under any circumstances where air-purifying respirators may not provide adequate protection.

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

Eye protection: If eye contact is possible, use tight-fitting chemical safety goggles.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Granules.
Colour:	Blue green to green
pH:	6–10 at 1% w/v
Melting Point:	89°C
Minimum Ignition Energy:	>5J
Oxidising Properties:	Not oxidising.
Explosive Properties:	Not explosive.
Bulk Density:	0.4 to 0.6 g/cm ³
Solubility in Other Solvents:	Soluble in water

I N S E C T I C I D E**10. STABILITY AND REACTIVITY**

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

Hazardous reactions: None known. Hazardous polymerisation does not occur. Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY (LETHAL DOSES)

Oral LD₅₀ rat: 87 mg/kg

Dermal LD₅₀ rat: >2000 mg/kg

Inhalation LC₅₀ rat (both genders): 1.41 mg/l 4 hours.

ACUTE TOXICITY (IRRITATION, SENSITISATION, ETC.)

Skin Irritation: Rabbit: Slightly irritating

Eye Irritation: Rabbit: Moderately irritating

Sensitisation: Guinea pig: Did not cause sensitisation on laboratory animals

LONG-TERM TOXICITY

Did not show carcinogenic, teratogenic or mutagenic effects in animal experiments.

12. ECOLOGICAL INFORMATION

ELIMINATION INFORMATION(PERSISTENCE AND DEGRADABILITY)

Bioaccumulation: Pirimicarb does not bioaccumulate.

Stability in water: Pirimicarb is not persistent in water.

Stability in soil: Pirimicarb is not persistent in soil.

Mobility: Pirimicarb has medium mobility in soil.

ECOTOXICITY EFFECTS

Toxicity to Fish: LC₅₀ Bluegill, 80 mg/l , 96 h Derived from study results with similar preparation.

Toxicity to Aquatic Invertebrates: EC₅₀ *Daphnia magna* (water flea), 14 µg/l , 48 h

13. DISPOSAL CONSIDERATIONS

Product: 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.

Contaminated packaging: Empty remaining contents. Triple rinse containers. Empty containers should be taken for local recycling or waste disposal. Do not re-use empty containers.

14. TRANSPORT INFORMATION

ROAD (ADR/RID), MARITIME (IMDG) & AIR (ICAO/IATA) TRANSPORT

UN No.:	UN2757
Class:	6.1
Packaging Group:	III
Proper shipping name:	CARBAMATE PESTICIDE, SOLID, TOXIC, (PIRIMICARB)
Marine pollutant:	Yes

15. REGULATORY INFORMATION

Hazard symbols/ Classifications	T N	TOXIC DANGEROUS FOR THE ENVIRONMENT
Risk phrases (R):	20 25 36 50/53	Harmful by inhalation. Toxic if swallowed. Irritating to the eyes. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety phrases (S):	2 13 20/21 22 35 45 57 63	Keep out of reach of children. Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Do not breathe dust. This material and its container must be disposed of in a safe way. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Use appropriate containment to avoid environmental contamination. In case of accident by inhalation: remove casualty to fresh air and keep at rest.
Special Label:		To avoid risks to man and the environment, comply with the instructions for use.

Note: This preparation is classified as dangerous in accordance with Directive 1999/45/EC.

I N S E C T I C I D E**16. OTHER INFORMATION**

Always read the label. Use pesticides safely.

Product approval number: MAPP 10515.

Based upon SDS version 10, release date 24/08/2005. a) Fax number change. DPD compliant. Significant revisions to every section.

Text of R phrases mentioned in Section 2:

R25 Toxic if swallowed

R36/38 Irritating to eyes and skin

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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.