

SAFETY DATA SHEET

TEMIK 10G

2506 1.00 GB Current 23.11.2000

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Trade Name	TEMIK
Product (Specification) Code	2506
Aventis CropScience Product Code	None known.
Usage	Granule Insecticide
Appearance	Blue granules
Manufacturer/Supplier	Aventis CropScience UK Limited
Address	Hauxton Cambridge CB2 5HU
Phone Number	01277 301125
Fax Number	01223 872142
Emergency Phone Number	0800 220876 (24 hr UK) +44 1603 242424 (24 hr Overseas)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components in Product for EC

Component Name	CAS No	Conc. %w/w	R Phrases	Classification
1. Aldicarb	116-06-3	10.00	R26/28, R24, R50/53	T+, N
2. Gypsum	10101-41-4	50.00 < 90.00		

3. HAZARDS IDENTIFICATION

Main Hazards	Toxic if swallowed. Harmful in contact with skin.
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4. FIRST-AID MEASURES

Eyes	Rinse immediately with clean water for at least 15 minutes and obtain medical aid.
Skin	Carefully remove contaminated clothing. Wash affected area with soap and water. Seek medical aid if at all worried.
Ingestion	Wash out mouth with water. Keep patient at rest and seek medical advice. Show product label or this data sheet if possible. Support respiration if needed. Only induce vomiting if the patient is fully conscious, has ingested a large amount and within 30 minutes of ingestion.
Inhalation	If inhaled, remove to fresh air and keep at rest. Obtain medical aid if at all worried.
Advice to Physicians	Please note that Aldicarb is a rapidly reversible Carbamate Cholinesterase inhibitor. Brief Summary of Symptoms and Signs: Local eye contamination causes temporary blurred vision due to miosis. Systemic Poisoning: May cause headache , flushing , dizziness , nausea , vomiting , sweating , muscular twitching , abdominal pain , chest tightness , hypotension and bradycardia . Also blurred vision as described above for local contamination. Treatment: Local Contamination: Symptomatic after decontamination. Treat as documented above under 'First-Aid Measures'. Systemic Poisoning: In the event of ingestion the following measures should be considered: carry out endotracheal intubation followed by gastric lavage , charcoal administration and artificial respiration * (*as necessary) . Monitor CNS, respiratory and cardiac functions with specific reference to red blood cell and plasma cholinesterase levels and ECG. Antidote: Atropine sulphate, 2mg I.V. (repeat until fully atropinised). Administer Diazepam I.V. for convulsions as necessary.

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4. FIRST-AID MEASURES (continued)

Contraindications: Oximes (Pralidoxime, Obidoxime).
Recovery is expected to be spontaneous.
Further advice is available from;
Aventis CropScience UK Limited via the emergency telephone number above or
from the nearest Poisons Unit.

5. FIRE-FIGHTING MEASURES

Extinguishing Media	Product is not combustible. If product is involved in a fire, use waterspray, foam, dry powder, carbon dioxide or sand.
Unsuitable Extinguishing Media	None.
Special Exposure Hazards	May give off toxic fumes if heated to decomposition.
Protective Equipment for Fire-Fighting	Do not breathe fumes. Wear self contained breathing apparatus.
Fire Fighting Guidance	If possible and without risk, remove intact containers from exposure to fire. Otherwise, spray unopened containers with water to keep cool. Whenever possible, contain fire-fighting water by bunding area with sand or earth.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with spilled material or contaminated surfaces. If ordinary clothing becomes contaminated remove it immediately. When dealing with the spillage do not eat, drink or smoke and wear personal protective clothing as detailed in Section 8.
Environmental Precautions	Keep people and animals away. Prevent entry into drains, sewers and watercourses. In the UK if spillage enters drains leading to sewage works inform local water company plc immediately. If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060). Overseas, inform the appropriate authority immediately.
Spillages	Sweep or preferably vacuum up spillage using equipment fitted with high efficiency final filter. Avoid creating a dust. Transfer collected material to heavy duty plastic drums and keep safe for disposal.
Note	Check also for any local site procedures in force.

7. HANDLING AND STORAGE

Handling	No specific precautions required when handling unopened containers; follow any relevant manual handling guidance. Refer to Section 8 if exposure to product is possible. Wash thoroughly with soap and water after handling and before eating, drinking or smoking.
Storage	Store in original packs/containers in a dry secure area designated for pesticides with access for authorised staff only. Store away from seeds, fertilizers and animal feedstuffs.
Technical Storage Measures	No special measures required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards	
1. Product	None assigned.
2. Gypsum	Dust, total inhalable: UK EH40: OES 10mg/m ³ 8h TWA. Dust, respirable: UK EH40: OES 4mg/m ³ 8h TWA.
Engineering Control Measures	Refer to any applicable COSHH assessments. Engineering controls should be used where practicable in preference to personal protection.
Respiratory Protection	Wear dust mask conforming to EN 149 FFP 2S as a minimum.
Hand Protection	Wear chemical resistant PVC or nitrile gloves.
Eye Protection	Wear safety goggles with unperforated side shield or goggles (conforming to BS EN 166 or BS 2092 for older goggles).

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Other	Wear PVC or chemical resistant disposable overalls and PVC boots.
Other Information	If feasible, decontaminate protective clothing before removal. Where decontamination is not feasible (before or after removal) dispose of as contaminated waste.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Granules.
Colour	Blue.
Odour	No data.
pH	6.7 at 5 % w/w in water.
Boiling Range/Point (deg C)	Not applicable
Melting Point/Freezing Point (deg C)	Not determined.
Flash Point (deg C)	Not applicable
Explosion Limits (%)	Not applicable
Solubility in Water	Insoluble.
Vapour Pressure	Not applicable
Density (g/ml)	1.1.
Flammability	Not combustible
Auto-flammability (deg C)	Not applicable
Explosive Properties	None.
Oxidising Properties	None.
Vapour Density (Air = 1)	Not applicable
Dust Explosion Data	Not applicable
Summary/Other Data	A non-combustible solid

10. STABILITY AND REACTIVITY

Stability	Stable at ambient conditions.
Conditions to Avoid	None in particular.
Materials to Avoid	None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Inhalation	No data.
Skin and Eye Contact	Harmful in contact with skin; rat dermal LD50 635 mg/kg. Negative in a guinea pig skin sensitisation test.
Ingestion	Toxic if swallowed; rabbit oral LD50 7.9 mg/kg.
Carcinogenicity	No data.
Genotoxicity	No data.
Reproductive Toxicity	No data.

12. ECOLOGICAL INFORMATION

Mobility	No data.
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12. ECOLOGICAL INFORMATION (continued)

Persistence/Degradability	Data given in this section are for the active ingredient: Degradation occurs more rapidly in acid than in neutral or alkaline soils.
Bio-accumulation	Data given in this section are for the active ingredient: Log P = 0.053.
Aquatic Toxicity	Data given in this section are for the active ingredient: 96 hr LC50 rainbow trout 0.88 mg/kg, bluegill sunfish 1.5 mg/l.
Other Toxicity	Data given in this section are for the active ingredient: Toxic to the following species; bees .


13. DISPOSAL CONSIDERATIONS

Product Disposal	Disposal of product would usually be by incineration in an appropriately licensed commercial incinerator. Small quantities may be accepted in licensed landfill sites. Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK). In the UK disposal arrangements should be in accordance with the Duty of Care Regulations and, where applicable, with the Special Waste Regulations.
Container Disposal	For pack sizes up to 10 kg; Lightly contaminated packaging may be acceptable for landfill, otherwise incineration will be required. See above for advice. For pack sizes up to 20 kg 'Surefill'; Store in purpose built chemical store until return to the supplier for refilling. Empty containers must be treated as if containing chemical and transported accordingly. At each refilling check label and replace if necessary.

14. TRANSPORT INFORMATION

UN Number	2757
UN Proper Shipping Name	Carbamate pesticide, solid, toxic (contains aldicarb 10.0 %)
UN Class	6.1
UN Packaging Group	II.
ADR/RID - Description	2757, Carbamate pesticide, solid, toxic (contains aldicarb 10.0 %), 6.1, 73*(b), ADR
CDG(CPL) - Description	2757, Carbamate pesticide, solid, toxic (contains aldicarb 10.0 %). Class: 6.1. Hazard Identification Number: 60. Packing Group: II.
IMDG - Proper Shipping Name	As for UN + marine pollutant symbol used where appropriate.
IMDG - Ems Number	6.1 - 04
IMDG - MFAG Table Number	505
ICAO - Proper Shipping Name	As for UN.

15. REGULATORY INFORMATION

Risk symbol	 Toxic
Hazard Classification	T - Toxic
Designated Name	Temik 10G (contains aldicarb 10.0 %)
R phrases	23/24/25-Toxic by inhalation, in contact with skin and if swallowed.
S phrases	22-Do not breathe dust. 36/37-Wear suitable protective clothing and gloves. 45-In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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15. REGULATORY INFORMATION (continued)

**Control of Pesticides Regulations 1986:
Precautions**

Aldicarb is an anticholinesterase carbamate compound. DO NOT USE if under medical advice NOT to work with such compounds.
FOR USE ON THE FOLLOWING FOOD CROPS ONLY WITH STATED MINIMUM INTERVAL BETWEEN LAST APPLICATION AND HARVESTING:
Potatoes - 8 weeks
Carrots and parsnips - 12 weeks
This product must only be applied to bulb onion crops where the crop is to be harvested at the mature bulb stage.
DANGEROUS TO LIVESTOCK. Keep all livestock out of treated areas for at least 13 weeks following treatment.
DANGEROUS TO GAME, WILD BIRDS AND ANIMALS. Granules must be covered completely after application. Spillages must be buried or removed.
DANGEROUS TO FISH OR OTHER AQUATIC LIFE. Do not contaminate surface waters or ditches with chemical or used container.
WHEN USING A DISPOSABLE CONTAINER, EMPTY CONTAINER COMPLETELY and dispose of safely.
DO NOT RE-USE CONTAINER FOR ANY OTHER PURPOSE.
DO NOT RINSE OUT THE CONTAINER.
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES and either FACESHIELD or SUITABLE RESPIRATORY EQUIPMENT (BS 2091 or BS 6016) AND EYE PROTECTION (GOGGLES) when opening a container containing granules; filling hopper or adjusting apparatus after filling the hopper with granules but before it has been thoroughly cleaned; dealing with spillages or residual amounts of granules.
SUITABLE PROTECTIVE CLOTHING (COVERALLS) during granule placement by vehicle drawn/mounted apparatus.
SUITABLE PROTECTIVE CLOTHING (COVERALLS AND APRON), SUITABLE PROTECTIVE GLOVES, RUBBER BOOTS, FACE PROTECTION (FACESHIELD) when washing or cleansing granule placement equipment after use.
KEEP IN ORIGINAL CONTAINER, tightly closed in a safe place under lock and key.
OPEN CONTAINER ONLY AS DIRECTED.
WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the inside of gloves.
TAKE OFF IMMEDIATELY all contaminated clothing.
WHEN USING DO NOT EAT, DRINK OR SMOKE.
DO NOT BREATHE DUST.
WASH DUST from skin or eyes immediately.
AVOID ALL CONTACT BY MOUTH.
WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking and after work.
KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.
KEEP OUT OF REACH OF CHILDREN.
WHEN USING A RETURNABLE CONTAINER, RETURN EMPTY CONTAINER TO SUPPLIER.
IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, seek medical advice immediately (show label where possible)

Note
The labelling information above is that which has been approved under 'The Control of Pesticide Regulations 1986' and may differ from that indicated by any toxicological and/or other testing otherwise indicated in this 'Safety Data Sheet' If you require any further clarification please contact Aventis CropScience UK Limited via the phone number quoted elsewhere in this 'Safety Data Sheet'.

16. OTHER INFORMATION

MSDS first issued

23 November 2000

MSDS data revised

Footnote

This Safety Data Sheet was prepared in compliance with Commission Directive 93/112/EC, 67/548/EEC and 88/379/EEC as well as their relevant amendments, on the approximation of laws, regulations and administrative

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16. OTHER INFORMATION (continued)

provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

Disclaimer

The above information is intended to give general health and safety guidance on the storage and transport of the substance or product to which it relates. It is not intended to apply to the use of the substance or product for which purposes the substance or product label and any appropriate technical usage literature available should be consulted and any relevant licences, consents or approvals complied with. The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given. The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted for any injury loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.
