

# SAFETY DATA SHEET

## K-OTHRINE WG 250

Current 01/01/2002

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

**Trade Name** K-Othrine WG 250  
**Product (Specification) Code** RU4308  
**Aventis CropScience Product Code** AE F032640 00 WG25 A1  
**Usage** Water Dispersable Granules  
**Appearance** Beige granules  
**Manufacturer/Supplier** Aventis CropScience GmbH  
**Address** D- 65926 Frankfurt am Main  
Germany  
[www.aventis.com](http://www.aventis.com)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous Components in Product for WG

Component Name	CAS No	Conc %w/w	R Phrases	Classification
1. Deltamethrin	52918-63-5	25,00	R20/25/50	T

### 3. HAZARDS IDENTIFICATION

**Main Hazards** Not classified as hazardous

### 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. Do not induce vomiting. Keep patient at rest and seek medical advice.  
**Inhalation** If inhaled, remove to fresh air and keep at rest. Obtain medical aid if at all worried.  
**Advice to Physicians** This material contains a pyrethrin; it is NOT an organophosphorus compound and must NOT be confused with such compound.  
There is no specific antidote.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing Media** 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 and earth.

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### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	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 and wear personal protective clothing as detailed in section 8.
<b>Environmental Precautions</b>	Keep people and animals away. Prevent entry into drains, sewers and watercourses.
<b>Spillages</b>	Contain/absorb spillage in sand/earth or in a suitable inert material. Transfer collected material to heavy duty plastic drums and keep safe for disposal.
<b>Note</b>	Check also for any local site procedures in force.

### 7. HANDLING AND STORAGE

<b>Handling</b>	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.
<b>Storage</b>	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.
<b>Technical Storage Measures</b>	Protect from frost.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Occupational Exposure Standards</b>	
1. <b>Product</b>	None assigned.
<b>Engineering Control Measures</b>	Refer to any applicable COSHH assessments. Engineering controls should be used where practicable in preference to personal protection.
<b>Respiratory Protection</b>	None required when handling the product.
<b>Hand Protection</b>	Wear chemical resistant PVC or nitrile gloves.
<b>Eye Protection</b>	Wear safety goggles with unperforated side shield or goggles.
<b>Other</b>	Wear PVC or chemical resistant disposable overalls and PVC boots.
<b>Other Information</b>	If feasible, decontaminate protective clothing before removal. Where decontamination is not feasible dispose of as contaminated waste.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Granules
<b>Colour</b>	Beige
<b>Odour</b>	Odourless.
<b>Flash Point (deg C)</b>	Not concerned.
<b>Solubility in Water</b>	Miscible.
<b>Vapour Pressure</b>	Not determined.
<b>Density (g/ml)</b>	0,52 (apparent)
<b>Auto-flammability (deg C)</b>	Not concerned.
<b>Explosive Properties</b>	None.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES continued

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Oxidising Properties	None.
Dust Explosion Data	Not applicable.

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### 10. STABILITY AND REACTIVITY

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

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### 11. TOXICOLOGICAL INFORMATION

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Inhalation	Low toxicity.
Skin and Eye Contact	Low toxicity; rat dermal LD50 > 5,000 mg/kg. Not irritating to rabbit eyes or skin. Negative in a guinea pig sensitisation test.
Ingestion	Low toxicity; rat oral LD50 > 8,000 mg/kg.
Carcinogenicity	Deltamethrin; not carcinogenic.
Genotoxicity	Deltamethrin; not mutagenic.
Reproductive Toxicity	Deltamethrin; not teratogenic.

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### 12. ECOLOGICAL INFORMATION

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Persistence/Degradability	Deltamethrin; Soil DT50 4 to 9 days.
Aquatic Toxicity	Deltamethrin; 96 hr LC50 rainbow trout 0.91 mg/l, bluegill sunfish 1.4 µg/l, 48 hr EC50 daphnia 3.5 µg/l.
Other Toxicity	Deltamethrin; Acute oral LD50 bobwhite quail > 55 mg/kg, mallard ducks > 70 mg/kg.

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### 13. DISPOSAL CONSIDERATION

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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.
Container Disposal	Lightly contaminated packaging may be acceptable for landfill, otherwise incineration will be required.

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### 14. REGULATORY INFORMATION

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<b>Risk Symbol</b>	None
<b>Hazard Classification</b>	Not classified
<b>Designated Name</b>	K-Othrine WG 250 (contains deltamethrin 250 g/kg)
<b>R phrases</b>	Not classified
<b>S phrases</b>	36/37/39-Wear suitable protective clothing, gloves and eye/face protection. 45-In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
<b>Control of Pesticides Regulations Precautions</b>	WASH SPLASHES from skin or eyes immediately with plenty of water. WASH HANDS AND EXPOSED SKIN BEFORE MEALS AND AFTER USE. KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS. DO NOT HANDLE TREATED FABRICS UNTIL DRY AND AIR THOROUGHLY BEFORE USE. KEEP IN ORIGINAL CONTAINER, tightly closed in a safe place. KEEP OUT OF REACH OF CHILDREN.

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### 15. OTHER INFORMATION

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<b>MSDS first issued</b>	01 January 2001
<b>MSDS data revised</b>	01 january 2002
<b>Footnote</b>	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 provisions relative to the classification, packaging and labelling of dangerous substance 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 licenses, 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.

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