

Safety Data Sheet

OXATAK SL - Reg. No: L 7589 (Act No 36 of 1947)

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1) IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER.	
Product name:	OXATAK SL
Other means of identification:	Oxamyl 310 g/L SL
UN number:	2992
Recommended use:	Insecticide, Nematicide
Restrictions on use:	No information available
Distributed by:	MERIDIAN AGRITECH P O BOX 436 MODDERFONTEIN TEL 011 8228509 FAX 0866901386 MOBILE: 0834006056 www.agritech.co.za
Emergency Number:	POISON CENTRE (UNITAS HOSPITAL) 012 664 1100 WESTERN CAPE POISONS TELEPHONE SERVICE 0861 555 777 RAPID SPILL RESPONSE 0800 775 3305 GRIFFON POISON CENTRE: 082 446 8946
Chemical Name:	(RS)-1-[2,5-dichloro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]- 3-(2,6-difluorobenzoyl)urea
2) Classification of the substance / mixture:	
Classification of the product:	T+; N; Xn; F; R10; R21; R23/24/25; R26/28; R36/38; R51/53 Full text of R-phrases; See section 15 Full text of symbols and R-phrases: see section 15.
Label elements:	Hazard symbols: N – Dangerous for the environment T+ – Very Toxic Xn – Harmful F - Flammable  Signal word: Toxic

Health effects: eyes:	Toxic. May cause mild irritation.
Health effects: skin:	Toxic. May cause mild irritation.
Health effects: ingestion	Toxic. May be fatal.
Health effects: inhalation	Toxic. May be fatal.
Health effects: Other	No data available

3) COMPOSITION / INFORMATION ON INGREDIENTS:

Mixture:

Chemical name	Composition (g/kg)	CAS No.	EC No.	CLP Classification	DSD Classification
Oxamyl	310	23135-22-0	245-445-3	Acute Tox. 2, H300 Acute Tox. 2, H330 Acute Tox. 4, H312 Aquatic Chronic 2, H411	T+; R26/28 Xn; R21 N; R51-53

Full text of R- and S-phrases: see section 15.

4) First Aid Measures:

Eye contact:	Get medical attention immediately and make this document or label available to him. Give 1 or 2 glasses of water to drink, and try once or twice to induce vomiting by touching the back of throat with finger. Never give anything by mouth to an unconscious person. Induce vomiting. For advice, contact the National Poisons Centre. Seek medical assistance immediately.
Skin contact:	Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. Do not rub skin. Seek medical assistance if irritation occurs. Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance immediately
Ingestion:	Get medical attention immediately and make this document or label available to him. Give 1 or 2 glasses of water to drink, and try once or twice to induce vomiting by touching the back of throat with finger. Never give anything by mouth to an unconscious person. Induce vomiting. For advice, contact the National Poisons Centre. Seek medical assistance immediately.
Inhalation:	Remove patient to fresh air. Loosen clothing around neck. Lie down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.
Most important symptoms and effects, acute and delayed:	None known
Indication of immediate medical attention and special treatment needed: Advice to physician	Administer atropine sulphate intravenously or intramuscularly. For moderately to severe poisoning administer atropine sulphate, 0.4 to 2.0 mg repeated every 15 minutes, until atropinization is achieved (dry, flushed skin, dry mouth and tachycardia). Maintain atropinisation by repeated doses for 2 to 12 hours, or longer, depending on the severity of poisoning.

5) Fire-Fighting Measures:

<p>Suitable extinguishing media:</p> <p>Unsuitable extinguishing media:</p> <p>Special hazards arising from the substance or mixture:</p>	<p>Extinguish fires with carbon dioxide, dry chemical or alcohol-resistant foam. Fine water spray can be used for cooling of unaffected stock, but avoid water coming in contact with the product</p> <p>Water jet, due to contamination risk.</p> <p>Generating poisonous and corrosive fumes containing: carbon monoxide, nitrogen oxides and hydrochloric acid. Combustion products are toxic and/or irritant.</p>
<p>Fire-fighting:</p> <p>Protective clothing:</p>	<p>Remove spectators from surrounding area. Isolate the fire area and evacuate downwind. Use a recommended extinguishing agent for the type of surrounding fire.</p> <p>Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Remove source of fuel if possible. Contain fire control agents for later disposal.</p> <p>Avoid inhaling hazardous vapours and fumes from burning materials. Keep upwind. Remove container from fire area if possible and without risk. Water can be used to cool unaffected containers but must be contained for later disposal. Do not scatter the material. Avoid pollution of waterways.</p> <p>Full protective clothing and self-contained breathing apparatus</p>
<p>6) Accidental Release Measures:</p>	
<p>Personal precautions:</p> <p>Environmental precautions:</p> <p>Cleaning procedure:</p> <p>Disposal:</p>	<p>Avoid contact with skin and eyes. Do not breathe in spray or fumes. For personal protection see Section 8. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Wash contaminated clothing before re-use.</p> <p>Do not contaminate waterways, drains and groundwater. If contamination of waterways, drains, rivers or lakes is unavoidable, warn the local authorities (Police and Department of Water/Environmental affairs) immediately.</p> <p>Wear protective clothing. Clear area of unprotected personnel. Contain and absorb liquid spills with inert material, remove by scoop or vacuum. Use approved industrial vacuum cleaner for removal and place in waste containers. Wash area with water and detergent and absorb with further inert material. Heavily contaminated soil layers have to be dug out down to clean soil. If spill does enter waterways contact the local authority. Spilled product cannot be re-used and must be disposed of by incineration or disposal in a chemical waste disposal facility. If containers cannot be recycled, they should be disposed of together with the waste chemical.</p> <p>Waste Disposal:</p> <p>In accordance with local and national regulations. Do not contaminate water, food or feed by disposal. Spilled product cannot be re-used and must be disposed of by incineration or disposal in a chemical waste disposal facility.</p> <p>Container Disposal: Refer to the product label for instructions.</p> <p>If containers cannot be recycled, they should be disposed of together with the waste chemical. If the container is to be refilled, do not rinse with any material or introduce any pesticide other than this product. DO NO REUSE THE CONTAINER FOR ANY OTHER PURPOSE, perforate and flatten. Do not transport if this container is damaged or leaking.</p>
<p>7) Handling & Storage:</p>	

Handling:	Avoid skin and eye contact and inhalation of spray mist. Avoid inhalation of fog and vapours. Keep away from heat and sources of ignition. Take precautionary measures against static discharges (transfer operations: check grounding). May form explosive vapour-air mixtures. Spills may be slippery and should be cleaned up immediately. APPROVED HANDLER: This product must be under the control of an approved handler when applied in a wide dispersive manner; or used by a commercial contractor. BEWARE: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants
Storage:	Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, fertilisers and seeds. Keep away from children or uninformed persons.

8) Exposure Control / Personal Protection:

It is essential to provide adequate ventilation. The measures appropriate for a particular work site depend on how this material is used and on the extent of exposure. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire, and other applicable regulations.

PERSONAL PROTECTIVE EQUIPMENT:

Clothing:

Consult supplier to confirm that the equipment is suitable.

Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance.

Gloves:

Employee must wear appropriate chemical-resistant gloves to prevent contact with this substance

Eye protection:

The use of a face shield is recommended

Respiratory protection:

Respirator with combination filter for organic vapour / particulate, suitable for protection from dusts and mists of pesticides is adequate.

Emergency eye wash:

Where there is any possibility that an employee's eyes may be exposed to this substance, the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.

9) Physical & Chemical Properties:

Form:	Liquid
Colour:	Green
Odour:	Mild characteristic odour
Odour threshold:	No data available
pH:	No data available
Melting point / Freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point:	Flammable
Evaporation rate:	No data available
Flammability (solid, gas)	No data available
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(ies)	No data available
Partition coefficient: n-octanol/water	Soluble in water
Auto-ignition temperature:	No data available
Viscosity:	No data available
	No data available

10) Stability & Reactivity:

Reactivity:	Not available.
Chemical stability:	When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture.
Hazardous decomposition product(s):	Carbon oxides, nitrogen oxides. Heating can release vapours which can be ignited. Combustion products are toxic and/or irritant. Incompatible with strong acids or bases (slowly hydrolyzes).
Conditions to avoid:	Protect from extreme temperatures. Avoid sources of ignition.
Incompatible materials:	Bases

11) Toxicological Information:

Acute:

Oral LD50 3 mg/kg, rat

Dermal LD50 >2000mg/kg, rabbit

Inhalation LC50 (4h): >0.6 mg/L air, rat

Skin irritation : Mild irritant, rabbit

Eye irritation : Mild irritant, rabbit

Sensitisation : Animal test did not cause sensitization

Other : N/A

Skin contact or inhalation of solvents of the formulated product may cause irritation of skin, eyes and mucous membranes.

12) Ecological Information:

Information below based on active ingredient:

Bees: LD50 (48h) Oral >0.11 µg/bee; Contact >0.36 µg/bee.
This product is highly toxic to bees exposed to direct treatment.

Birds: LC50 (8d) Dietary Bobwhite quail >5 000 mg/kg diet, Mallard ducklings >750 ppm.

Fish : LC50 (96h) Rainbow trout >4 mg/L, Bluegill sunfish >5,5 mg/L.

Algae : EC₅₀ (72 h) green algae 3,3 mg/L.

Worms: LC₅₀ (14 d) >112 ppm.

Other aquatic species: *Daphnia magna*, LC50 (48h) > 0.32 mg/L.

Persistence: Degraded rapidly in soil,
DT₅₀ c. 7 days. DT₅₀ in groundwater 20 days (anaerobic), 20 – 400 days (aerobic), K_{oc} 25.

13) Disposal Considerations:

Waste Disposal: In accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not contaminate water, food or feed by disposal. Wastes

resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Refer to the product label for instructions. Container Refilling and Disposal:

If the container is to be refilled, do not rinse with any material or introduce any pesticide other than this product. DO NOT REUSE THE CONTAINER FOR ANY OTHER PURPOSE, perforate and flatten. Do not transport if this container is damaged or leaking.

14) Transportation Information:

UN Number: 2992

Road transport ADR/RID

Class: 6.1

Packaging group: I

Shipping name: Pesticide, Liquid, Toxic, N.O.S (Carbamate pesticides, liquid, toxic)

Air transport: ICAO / IATA

Class: 6.1

Packaging group: I

Shipping name: Pesticide, Liquid, Toxic, N.O.S (Carbamate pesticides, liquid, toxic)

Maritime transport: IMDG

Class: 6.1

Packaging group: I

Shipping name: Pesticide, Liquid, Toxic, N.O.S (Carbamate pesticides, liquid, toxic)

Considered Marine Pollutant.

15) Regulatory Information:

Symbols: Xn – Harmful

N - Dangerous for the environment

T+: Toxic

F: Flammable

Risk – Phrase:

R10 - Flammable

R21 - Harmful in contact with skin.

R 23 / 24 / 25 - Toxic by inhalation, in contact with skin and if swallowed

R25 - Toxic if swallowed.

R 26 / 28 - Very toxic by inhalation and if swallowed.

R 36 / 38 - Irritating to eyes and skin.

R 51 / 53 - Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

Safety – Phrase:

S1/2 - Keep locked up and out of reach of children.

S 3 / 9 / 14 - Keep in a cool, well-ventilated place away from open flames and sources of ignition

S13 - Keep away from food, drink and animal feeding stuffs.

S 20 / 21 - When using do not eat, drink or smoke.

S 23 - Do not breathe fumes or vapour.

S 24 / 25 - Avoid contact with skin and eyes.

S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 27 / 28 - After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and nonabrasive soap.

S 35 - This material and its container must be disposed of in a safe way.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

S38 - In case of insufficient respiration, wear suitable respiratory equipment.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

- S46 - If swallowed, seek medical advice and show this label or container.
- S 57 - Use appropriate containment to avoid environmental contamination.
- S60 - This material and its container must be disposed of as hazardous waste.
- S61 - Avoid release to the environment. Refer to SDS.
- S 62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Hazard Statements

- H 300 - Fatal if swallowed.
- H 312 - Harmful in contact with skin.
- H 330 - Fatal if inhaled.
- H 411 - Toxic to aquatic life with long-lasting effects.

16. Other Information

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear.

It is the responsibility of persons in receipt of this SDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with this product. If the recipient subsequently produces formulation(s) containing this product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from this SDS to their own SDS.

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