

Safety Data Sheet

DIFFLAN- Reg. No: L 8313 (Act No 36 of 1947)

Date of issue: 27/09/2010

Date revised: 27/06/2019

1) IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER.	
Product name:	DIFFLAN
Other means of identification:	Diflufenican 500g/L SC
UN number:	3082
Recommended use:	Herbicide
Restrictions on use:	Agriculture
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:	'2,4'-difluoro-2-(α,α,α -trifluoro-m-tolyloxy) nicotinanilide
2) Classification of the substance / mixture:	
Classification of the product:	Acute Aquatic Tox,1: H400 Chronic Aquatic Tox,1:H410 Full text of R-phrases; see section 15.
Label elements:	Hazard statement: H410: Very toxic to the aquatic life with long lasting effects Precautionary statements: P410: Keep out of reach of children P501: Dispose of contents/ Container to an approved waste disposal plant. 

	Signal Word: WARNING												
Health effects: eyes:	May cause severe irritation.												
Health effects: skin:	May cause irritation and may be harmful.												
Health effects: ingestion	May cause irritation and may be harmful.												
Health effects: inhalation	May cause irritation and may be harmful.												
Health effects: Other													
3) COMPOSITION / INFORMATION ON INGREDIENTS:													
Mixture:													
	<table border="1"> <thead> <tr> <th>Chemical name</th> <th>Composition</th> <th>CAS No.</th> <th>EC No.</th> <th>Classification according to Regulation EC 1272/2008 (CLP)</th> <th>Classification according to 67/548/EEC</th> </tr> </thead> <tbody> <tr> <td>Diflufenican</td> <td>50 %</td> <td>83164-33-4</td> <td></td> <td>Acute Aquatic Tox,1: H400 Chronic Aquatic Tox,1:H410</td> <td></td> </tr> </tbody> </table>	Chemical name	Composition	CAS No.	EC No.	Classification according to Regulation EC 1272/2008 (CLP)	Classification according to 67/548/EEC	Diflufenican	50 %	83164-33-4		Acute Aquatic Tox,1: H400 Chronic Aquatic Tox,1:H410	
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Full text of R- and S-phrases: see section 15.													
4) First Aid Measures:													
Eye contact:	Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Obtain medical attention if irritation persists.												
Skin contact:	Thoroughly wash body with large amounts of water and soap. Remove contaminated clothing and footwear. Wash affected areas with soap and water. Persons providing first aid must wear gloves to avoid self-contamination. Seek medical assistance should irritation persist. Wash contaminated clothing before re-use												
Ingestion:	Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. One or two glasses of water may be given. For advice, contact the National Poisons Centre. Seek medical assistance immediately.												
Inhalation:	Remove patient to fresh air. Lie down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance.												
Most important symptoms and effects, acute and delayed:	None known												
Indication of immediate medical attention and special treatment needed: Advice to physician	Treat symptomatically. If swallowed, administer 200 ml liquid paraffin. Administer gastric lavage with at least 4 litres of water, followed by animal charcoal and sodium sulphate. Pulmonary aspiration must be avoided. Derivatives or adrenaline is contra-indicated. Product contains aromatic solvent. Symptomatic treatment and supportive therapy as necessary												
5) Fire-Fighting Measures:													
Suitable extinguishing media:	Water fog, Carbon dioxide or dry chemical, halon or alcohol-resistant foam.												

<p>Unsuitable extinguishing media:</p> <p>Special hazards arising from the substance or mixture:</p>	<p>Water jet, due to contamination risk.</p> <p>UNUSUAL FIRE OR EXPLOSION HAZARDS:</p> <p>Cool sealed drums with water to prevent rupture due to thermal expansion.</p>
<p>Fire-fighting:</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. If area is heavily exposed to fire and if conditions permit, let fire burn itself out. 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>UNUSUAL FIRE OR EXPLOSION HAZARDS: Fire may produce irritating or poisonous vapours (toxic oxides of nitrogen and corrosive bromine), mists or other products of combustion. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids</p>
<p>Protective clothing:</p>	<p>Full protective clothing and self-contained breathing apparatus. .When fighting a major fire wear an air-supplied respirator.</p>
<p>6) Accidental Release Measures:</p>	
<p>Personal precautions:</p> <p>Environmental precautions:</p> <p>Cleaning procedure:</p>	<p>Do not inhale vapour or spray. Avoid contact with skin and eyes. For personal protection see section 8.</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 and place in waste containers. Wash area with water containing soda or detergent and absorb with further inert material. If spill does enter waterways contact the local authority. Heavily contaminated soil layers should be removed and disposed of in an approved way. 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>

Information below based on active ingredient:

Bees: LC50 (oral & contact): > 100 ug/bee. Not toxic to bees.

Birds: LD50: Japanese quail: > 2 000 mg/kg, Mallard ducks > 4000 mg/kg.

Fish: LC50 (96hrs) Rainbow trout: 100 mg/L Carp 100 mg/L.

Algae: EC50 (72h) Selenastrum capricornutum >1.74 µg/L.

Worms:

Other aquatic species:

Persistence: Half-life time (t_{1/2}): 105-210 days. Low mobility

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. Triple rinse empty containers before disposal in the following manner: Invert the container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed to a drip. Thereafter, rinse the container three times with a volume of water equal to a third of that of the container volume. Add rinsing to the contents of the spray tank before destroying the container in the prescribed manner. Empty containers should not be burnt; puncture and flatten containers and dispose at a licensed landfill site according to local regulations. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Prevent contamination of water sources, food or feed by disposal. **DO NO REUSE THE CONTAINER FOR ANY OTHER PURPOSE.** If recycling, replace cap and take containers to the designated recycling point. If containers cannot be recycled, they should be disposed of together with the waste chemical according to local regulations.

14) Transportation Information:

UN NUMBER: 3082

Road Transport ADR/ RID:

Class: 9

Packaging group: III

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIFLUFENICAN)

Maritime Transport IMDG / IMO:

Marine Pollutant: Yes

Class: 9

Packaging group: III

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIFLUFENICAN)

Air Transport ICAO/IATA:

Class: 9

Packing group: III

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIFLUFENICAN)

15) Regulatory Information:

Labelling according to EC directives:

Hazardous components which must be listed on the label: DIFLUFENICAN

Symbols: Xn – Harmful.

Xi – Irritant

N - Dangerous for the environment

Risk – Phrase (s):

R 10 - Flammable.

R 20/22 -Harmful by inhalation and if swallowed

R 37/38 - Irritating to eyes, respiratory system and skin.

R 41 - Risk of serious damage to eyes.

R 43 - May cause sensitization by skin contact

R48 - Danger of serious damage to health by prolonged exposure.

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

Safety – Phrase (s):

S 2 - Keep out of the reach of children.

S 13 – Keep away from food, drink and animal feeding stuffs.

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

S 36/39 - Wear suitable protective clothing and eye/face protection.

S 57 - Use appropriate containment to avoid environmental contamination.

S 61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

S62 – If swallowed, do not induce vomiting: see medical advice immediately and show this container or label.

Hazard – Phrase(s))

H410 - Very toxic to the 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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