

Safety Data Sheet

VIXEN - Reg. No: L 9856 (Act No 36 of 1947)

Date of issue: August 2013

Date revised: January 2020

1) PRODUCT AND COMPANY IDENTIFICATION	
Product name:	VIXEN
Other means of identification:	Sulfentrazone 480 g/L
UN Number:	3082
Recommended use:	Herbicide
Restrictions on use:	Unknown
Distributed by:	MERIDIAN AGRITECH P O BOX 436 MODDERFONTEIN TEL 011 8228509 FAX 011 8223494 MOBILE: 0834006056 www.agritech.co.za
Emergency Number:	POISON CENTRE (UNITAS HOSPITAL) :012 664 1100 TYGERBERG:021 931 6129 RED CROSS: 021 689 5227 RAPID SPILL RESPONSE 0800 775 3305 GRIFFON POISON CENTRE: 082 446 8946
Chemical Name:	2',4'-dichloro-5'-(4-difluoromethyl-4,5-dihydro-3methyl-5-oxo-1H-1,2,4-triazol-1yl)methanesulfonamide
2) CLASSIFICATION OF THE SUBSTANCE / MIXTURE:	
Classification of the product:	Classification according to Regulation EC 1272/2008 (CLP) Toxic to reproduction: Category 2 (H361d) Risk-phrase(s): R20/22, R36/38, R51
Label elements:	Hazard pictogram(S)  Signal word: WARNING Hazard statement (S) H361d Suspected of damaging the unborn child.

	<p>H373 -May cause damage to organs through prolonged or repeated exposure</p> <p>H401 To avoid risks to human health and the environment, comply with the instructions of use.</p> <p>Precautionary statement(S)</p> <p>P201 Obtain special instructions before use</p> <p>P202 Do not handle until all safety precautions have been read and understood</p> <p>P260 Do not breathe dust/fume/gas/mist/vapors/spray</p> <p>P280 Wear protective gloves, protective clothing and eye protection.</p> <p>P308+P313 IF exposed or concerned: Get medical attention/advice.</p> <p>P501 Dispose of contents/container as hazardous waste</p> <p>Other hazards ...</p> <p>None known</p>				
Health effects: eyes:	May cause slight irritation				
Health effects: skin:	May cause slight irritation				
Health effects: ingestion	May cause central nervous system depression. May cause gastrointestinal irritation, nausea, vomiting and diarrhea				
Health effects: inhalation	May cause irritation. May cause drowsiness and dizziness				
3) COMPOSITION / INFORMATION ON INGREDIENTS:					
Mixture:					
Chemical name	Composition	CAS No.	EC No.	Classification according to Regulation EC 1272/2008 (CLP)	Classification according to 67/548/EEC
Sulfentrazone	48%	122836-35-5		Toxic to reproduction: Category 2 (H361d)	
Inerts					
4) FIRST AID MEASURES:					
Inhalation:	Remove victim to fresh air. Keep patient calm. If patient is not breathing, call an ambulance and then apply artificial respiration, preferably by mouth-to-mouth if possible. Seek medical attention if irritation occurs and persists.				
Skin contact:	Immediately remove contaminated clothing and flush body and clothes with large amounts of water for 1520 minutes. Wash contaminated clothing before reuse. Seek medical attention if irritation occurs or persists. Persons providing first aid must wear gloves to avoid self-contamination.				
Eye contact:	Flush eyes with plenty of clean, room temperature water for at least 15 minutes while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes. Seek medical attention if irritation occurs or persists				
Ingestion	Seek medical attention. Do not induce vomiting unless told to do so by a poison control centre or doctor. If possible and if conscious, have the patient sip a glass of water if able to				

<p>Most important symptoms and effects, both acute and delayed</p> <p>Advice to physician:</p>	<p>swallow. Never induce vomiting or give anything by mouth to a victim who is unconscious or is having convulsions.</p> <p>Central nervous system effects</p> <p>This product has low oral, dermal and inhalation toxicity. Consideration should be given to gastric lavage with an endotracheal tube in place. Treatment is otherwise the controlled removal of exposure as well as symptomatic and supportive care.</p>
5) FIRE-FIGHTING MEASURES:	
<p>Suitable Extinguishing Media:</p> <p>Specific Hazards Arising from the substance or mixture:</p> <p>Fire Fighting:</p>	<p>Carbon dioxide, Foam, Dry powder, Water spray</p> <p>Thermal decomposition can lead to release of irritating and toxic gases and vapors.</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. 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>Eliminate all ignition sources in the immediate area.</p>
Protective clothing:	Full protective clothing and self-contained breathing apparatus
6) ACCIDENTAL RELEASE MEASURES:	
<p>Personal precautions:</p> <p>Environmental precautions:</p> <p>Cleaning procedure:</p> <p>Disposal:</p>	<p>Wear appropriate safety clothing and eye/face protection. Do not breathe in spray or fumes. 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> <p>Waste Disposal:</p> <p>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</p>

10) STABILITY & REACTIVITY:	
Reactivity: Stability: Hazardous decomposition product(s):	Not reactive under normal conditions. Stable under normal use and standard conditions. Stable for 24 months. Thermal decomposition may release toxic oxides of carbon, nitrogen and sulphur as well as Hydrogen Chloride and Hydrogen fluoride. Hazardous polymerization does not occur.
11) TOXICOLOGICAL INFORMATION:	
Acute: Ingestion: Oral LD50 (Rat): > 2000 mg/kg Dermal: LD50 (Rat): > 2000 mg/kg Inhalation: LC50 (Rat, 4 hours) (Based on data for a similar product): LC50 for rats 2.72 mg/l. Maximum attainable concentration: Zero mortalities. Eye Contact: Slight eye irritant Skin Contact: Slight skin irritant Skin Sensitization: Not a Sensitizer (Guinea Pig).	
12) ECOLOGICAL INFORMATION:	
Information below based on technical material: TEBUTHIURON Birds: Acute oral LD50 for mallard ducks >2250 mg/kg. Dietary LC50 (8 d) for ducks and quail >5620 mg/kg Fish: LC50 (96 h) for bluegill sunfish 93.8, rainbow trout >130 mg/l. Daphnia: LC50 (48 h) 60.4 mg/l. Environments fate Sulfentrazone is stable in soil (DT50 18 mo). In water, sulfentrazone is stable to hydrolysis (pH 5–9), but readily undergoes photolysis (DT50 <0.5 d). Low affinity for organic matter (Koc 43), but is mobile only in soils with high sand content. Sulfentrazone has a low potential to bioaccumulate.	
13) DISPOSAL CONSIDERATIONS:	
Waste Disposal: Contaminated absorbents, used containers, surplus product etc. should be burnt in an incinerator, preferable designed for pesticide disposal. Never pour untreated waste or surplus products into public sewers or where there is any danger of run-off or seepage into the water systems. Disposal of waste must be done in compliance with local legislation. Spilled product cannot be re-used and must be disposed of. Container Disposal : If containers cannot be recycled, they should be disposed of together with the waste chemical Do not reuse empty containers. Empty containers retain product residue. Triple rinse, or equivalent, empty container, return rinse water to dilution mixture, and dispose of dilution mixture as a hazardous waste if it cannot be disposed of by use according to label instructions. Dispose of empty containers in accordance with local regulations. Destroy the empty container by perforation and do not use it for any other purpose. Dispose of the perforated container by burying at an approved landfill or incineration at an approved, appropriate facility. Consult provincial environment ministry for advice on waste disposal. Industrial/commercial waste may be handled at licensed facilities only. Waste shipments must be securely packaged and properly labelled. Only licensed carriers may be used for transport.	
14) TRANSPORTATION INFORMATION:	

UN NUMBER: 3082

Road Transport ADR/ RID:

Class: 9 Miscellaneous Dangerous Goods

Packaging group: III

Shipping name: Environmentally hazardous substance, liquid N.O.S (sulfentrazone).

Maritime Transport IMDG / IMO:

Class: 9 Miscellaneous Dangerous Goods

Packaging group: III

Shipping name: Environmentally hazardous substance, liquid N.O.S (sulfentrazone).

Environmental hazards: Marine pollutant

Air transport: ICAO/IATA

Class: 9 Miscellaneous Dangerous Goods

Packaging group: III

Shipping name: Environmentally hazardous substance, liquid N.O.S (sulfentrazone).

15) REGULATORY INFORMATION:

Symbol(s): Xn, N

Indications of danger: Harmful, Environmentally Hazardous Substance

R-phrases:

- R20/22 – Harmful by inhalation and if swallowed
- R50 – Very toxic to aquatic organisms.

S-phrases:

- S1/2 – Keep locked up and out of reach of children.
- S3/9/49 – Keep only in the original container in a cool, well-ventilated place.
- S13 – Keep away from food, drink and animal feeding stuffs
- S20 – When using, do not eat or drink.
- S24/25 – Avoid contact with skin and eyes.
- S36/37 – Wear suitable protective clothing and gloves.
- S39 – Wear eye/face protection.
- S46 – If swallowed, contact a doctor or Poisons Information Centre immediately and show this container or label.
- S60 – This material and its container must be disposed of as hazardous waste.
- S61 – Avoid release to the environment. Refer to special instructions or the Safety data sheet.

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. The information contained herein is provided in good faith but makes no representation as to its comprehensiveness or accuracy. A properly trained person using this product intends this document only as a guide to the appropriate handling of the material. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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