

Safety Data Sheet

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

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1) PRODUCT AND COMPANY IDENTIFICATION	
Product name:	Vixen
UN No:	3082
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)methanesulfonanilide
2) Hazards Identification:	
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 Details:	
COMPOSITION	Sulfentrazone
	480 g/L
4) First Aid Measures:	

<p>Inhalation:</p> <p>Skin contact:</p> <p>Eye contact:</p> <p>Ingestion</p> <p>Advice to physician:</p>	<p>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.</p> <p>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.</p> <p>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</p> <p>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 swallow. Never induce vomiting or give anything by mouth to a victim who is unconscious or is having convulsions.</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>
<p>5) Fire-Fighting Measures:</p>	
<p>Flash point:</p> <p>Extinguishing Media:</p> <p>Fire Fighting:</p>	<p>>94°C (Tag closed cup)</p> <p>Carbon dioxide, Foam, Dry powder, Water spray</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. 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>
<p>Protective clothing:</p>	<p>Full protective clothing and self-contained breathing apparatus</p>
<p>6) Accidental Release Measures:</p>	

<p>Personal precautions:</p> <p>Occupational spill:</p>	<p>Avoid contact with skin and eyes. Do not breath in fumes. For personal protection see Section 8. Isolate the spill area and remove all sources of ignition.</p> <p>Do not eat, drink or smoke during the clean up process. Clear area of unprotected personnel and animals. Wear protective gear</p> <p>Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Sections 7 and 8.</p> <p>Absorb the spillage with earth, sand or other noncombustible material and transfer to clean, dry, correctly labelled containers and seal for later disposal. Do not flush the spilled product into drains.</p> <p>Clean and neutralize the spill area, tools and equipment by washing with bleach, soap and water. Absorb the rinsate and add to the collected waste. The waste must be classified and labelled before recycling or disposal according to local regulations.</p>
<p>7) Handling & Storage:</p>	
<p>Handling:</p> <p>Storage:</p>	<p>KEEP OUT OF REACH OF CHILDREN and animals. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. After work, rinse gloves and remove protective equipment. Wash hands thoroughly with soap and water after handling, and before eating, tobacco use, drinking, or using the toilet. Wash contaminated clothing before re-use and separate from household laundry. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.</p> <p>Store in original container only in a well-ventilated, cool, dry, secure area away from children, foods, animal feeds, open flames, hot surfaces and sources of ignition. Avoid excessive heat.</p>
<p>8) Exposure Control / Personal Protection:</p>	
<p>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.</p> <p><u>PERSONAL PROTECTIVE EQUIPMENT:</u></p> <p>Clothing:</p> <p>Respiratory protection:</p> <p>Gloves:</p> <p>Eye protection:</p> <p>Emergency eye wash:</p>	<p>Avoid contact with skin, eye and clothing. Closed working clothes are recommended. Take off contaminated clothing immediately. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke at the place of work. Wash hands and/or face before breaks and at the end of the shift.</p> <p>Consult supplier to confirm that the equipment is suitable</p> <p>The employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this product.</p> <p>An approved filtering mask</p> <p>Suitable synthetic chemically resistant gloves.</p> <p>Safety goggles with side shields, or face shield.</p> <p>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.</p>
<p>9) Physical & Chemical Properties:</p>	
<p>Form:</p>	<p>Liquid</p>
<p>Colour:</p>	<p>Tan to cream</p>
<p>Odour:</p>	<p>Characteristic</p>
<p>Solubility:</p>	<p>Suspends in water</p>
<p>pH:</p>	<p>6.5</p>
<p>10) Stability & Reactivity:</p>	

<p>Stability:</p> <p>Hazardous decomposition product(s):</p>	<p>Stable under normal use and standard conditions. Stable for 24 months.</p> <p>Thermal decomposition may release toxic oxides of carbon, nitrogen and sulphur as well as Hydrogen Chloride and Hydrogen fluoride. Hazardous polymerization does not occur.</p>
<p>11) Toxicological Information:</p>	
<p>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).</p>	
<p>12) Ecological Information: Based on tebuthiuron technical material</p>	
<p>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.</p>	
<p>13) Disposal Considerations:</p>	
<p>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.</p> <p>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.</p>	
<p>14) Transportation Information:</p>	
<p>UN NUMBER: 3082</p> <p>Road Transport ADR/ RID: Class: 9 Miscellaneous Dangerous Goods Packaging group: III Shipping name: Environmentally hazardous substance, liquid N.O.S (sulfentrazone).</p> <p>Maritime Transport IMDG / IMO: Class: 9 Miscellaneous Dangerous Goods Packaging group: III Shipping name: Environmentally hazardous substance, liquid N.O.S (sulfentrazone).</p> <p>Air transport: ICAO/IATA Class: 9 Miscellaneous Dangerous Goods Packaging group: III Shipping name: Environmentally hazardous substance, liquid N.O.S (sulfentrazone).</p> <p>Marine pollutant</p>	
<p>15) Regulatory Information:</p>	

Symbol(s): Xn – Harmful.
N – Environmentally Hazardous Substance

R-phrases(s): R20/22 – Harmful by inhalation and if swallowed.
R50– Very toxic to aquatic organisms.

S-phrases(s): 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.

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