

Safety Data Sheet

SUCRAZONE FLO - Reg. No: L 9456 (Act No 36 of 1947)

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1) PRODUCT AND COMPANY IDENTIFICATION	
Product name:	Sucrazone Flo
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:	4-amino- <i>N</i> - <i>tert</i> -butyl-4,5-dihydro-3-isopropyl-5-oxo-1,2,4- <i>1H</i> -triazole-1-carboxamide
2) Hazards Identification:	
Health effects: eyes:	May cause mild irritation.
Health effects: skin:	A single prolonged exposure is not likely that the material will be absorbed through the skin in harmful quantities.
Health effects: ingestion	Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Health effects: inhalation	Exposure to high concentrations may cause respiratory irritation. Signs and symptoms may include nasal discharge, sore throat, cough and shortness of breath.
3) Composition Details:	
COMPOSITION	350 g/L amicarbazone
4) First Aid Measures:	
Inhalation:	Remove victim to fresh air. Keep patient calm. If the patient is not breathing, call an ambulance and then give artificial respiration (preferably mouth to mouth if possible) Obtain immediate medical attention.
Skin contact:	Immediately remove contaminated clothing and flush body and clothes with large amounts of water. Wash thoroughly with soap and water (including hair, skin and fingernails) Wash contaminated clothing before re-use. Seek medical assistance. Persons providing first aid must wear gloves to avoid self-contamination.
Eye contact:	Flush eyes with plenty of water for at least 15 minutes holding the eyelids open. Remove contact lenses after the first 5 minutes of rinsing the eyes. Call a doctor for treatment advice. Seek medical assistance
Ingestion	Rinse mouth immediately and get patient to drink 1 – 2 glasses of water if possible to swallow (if patient is conscious). Seek medical attention. Do not induce vomiting unless told to do so by a poison control centre or doctor. Never induce vomiting or give anything by mouth to a victim who is unconscious or is having convulsions.
Advice to physician:	There is no specific antidote Treat symptomatically and

	supportively.
5) Fire-Fighting Measures:	
Flash point:	Not flammable
Extinguishing Media:	Use foam, carbon dioxide, dry extinguishing media, water, use water fog only if necessary (avoid water jet).
Fire Fighting:	<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>Generating poisonous and corrosive fumes. Keep upwind.</p> <p>Avoid inhaling hazardous vapours and fumes from burning materials. 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. (on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated.</p> <p>Do not scatter the material. Water can be used to cool containers. Dispose of extinguishing agent and spillage in a safe way at a later stage.</p> <p>Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. Contain run-off water with, for example, temporary earth barriers.</p>
Protective clothing:	Full protective clothing and self-contained breathing apparatus
6) Accidental Release Measures:	
Personal precautions:	For personal protection see Section 8.
Occupational spill:	<p>Do not eat, drink or smoke during the clean up process. Clear area of unprotected personnel. Wear protective gear: goggles.</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>For small spillages: Absorb the spill with a suitable inert material such as sand or soil.</p> <p>For large spillages: Isolate the hazard area and prevent access to unauthorized personnel or without the required protection. Absorb the spill with a suitable inert material such as sand or earth.</p> <p>Dispose of absorbed materials according to local regulations. Collect waste into suitable containers, which can be labelled and sealed. Clean contaminated floors and objects thoroughly with water and a detergent, while observing environmental regulations.</p>
7) Handling & Storage:	
Handling:	<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. Keep the container closed.</p>
Storage:	<p>Store in the original container only in a well-ventilated, cool, dry, secure area away from children, foods and animal feeds. Protect from heat, moisture and direct sunlight. Prevent cross-contamination with other pesticides and fertilizers.</p>
8) Exposure Control / Personal Protection:	
It is essential to provide adequate ventilation. The	Avoid contact with skin, eye and clothing. Closed working

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.	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.
<u>PERSONAL PROTECTIVE EQUIPMENT:</u>	Comply with occupational safety, environmental, fire, and other applicable regulations.
Clothing:	ENGINEERING CONTROLS: Provide adequate local ventilation. Long-sleeved shirt and long pants.
Respiratory protection:	Wear appropriate approved respirator.
Gloves:	Suitable chemically resistant gloves
Eye protection:	Safety goggles.
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:	White
Odour:	Characteristic
Solubility:	Suspensibility in water
pH:	7.3
10) Stability & Reactivity:	
Stability:	Stable under normal use and standard conditions. Stable for 24 months
Hazardous decomposition product(s):	No decomposition if stored and handled as indicated. Thermal decomposition generates high temperature hydrogen cyanide, carbon monoxide and nitrogen oxides.
11) Toxicological Information:	
Ingestion: Oral LD50 (Rat) : > 2 000 mg/kg. Dermal: LD50 (Rat) : > 5 000 mg/kg. Inhalation: LC50 (Rat, 4 hours) : > 2.242 mg/L air (active constituent). Eye Contact: Moderate reversible eye irritant (Rabbit: 96 hours). Skin Contact: Not Irritating (Rabbit). Skin Sensitization: Not a Sensitizer (Guinea Pig).	
12) Ecological Information: Based on active constituent	
Invertebrates (Daphnia magna): LC50/EC50 (48 hour) > 119 mg/L Fish (Rainbow Trout): LC50/EC50 (96 hour) > 120 mg/L Fish (Bluegill sunfish): LC50/EC50 (96 hour) > 129 mg/L Birds: Acute oral LD50 for bobwhite quail >2000 mg/kg. Dietary LC50 for bobwhite quail >5000 mg/kg. Bees: LD50 (oral) 24.8 µg/bee; (contact) >200 µg/bee.	
Environments fate	
Hydrolysis DT50 64 d (pH 9, 25 °C); stable at pH 5, 7. Aerobic DT50 in soil 50 d. Preliminary results indicate: soil photolysis DT50 54 d; Koc 23–37 l/kg; field dissipation DT50 18–24 d; lowest depth detected at >LOQ 12 inch (parent), 24 inch (metabolite). See B. D. Philbrook et al., Proc. Br. Crop Prot. Conf. - Weeds, 1999, 1, 29. The main transformation products are formed by N-deamination, subsequent N-methylation, and by removal of the carboxamide side-chain (EPA Fact Sheet).	
13) Disposal Considerations:	
Waste Disposal : Unused product must be disposed of according to label recommendations and in accordance with all applicable laws and regulations. Do not pour into the sewage system, soil, or any body of water. The preferred option is to send any unused waste to a licensed re-claimer or a permitted incinerator. Refer to the relevant environmental agency regarding the rules specified.	
Container Disposal : If containers cannot be recycled, they should be disposed of together with the waste chemical Do not reuse empty containers. Empty container retains product residue. Triple rinse, or equivalent, the empty containers, and return the rinse water to the dilution mixture, and dispose of the dilution mixture according to label instructions. Dispose of empty containers in accordance with local regulations. 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 must be used.	
Destroy the empty container by perforation, flattening and burying at an appropriate landfill and do not use it for any other purpose.	

14) Transportation Information:

UN NUMBER: 3082

Xn: Environmentally hazardous substance.

Road Transport ADR/ RID:

Class: 9 Miscellaneous Dangerous Goods

Packaging group: III

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

Maritime Transport IMDG / IMO:

Road Transport ADR/ RID:

Class: 9 Miscellaneous Dangerous Goods

Packaging group: III

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

Air transport IATA:

Class: 9 Miscellaneous Dangerous Goods

Packaging group: III

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

15) Regulatory Information:

Symbol(s): Xn – Environmentally hazardous substance.

R-phrase(s):

R22 – Harmful if swallowed.

S-phrase(s):

S2 – Keep out of reach of children.

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

S46 – If swallowed, contact a doctor or Poisons Information Centre immediately and show this container or label.

S 60 – This material and its container must be disposed of as hazardous waste.

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

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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