



SAFETY DATA SHEET

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FENHEXAMID 500 SC
 ACTIVE: **FENHEXAMID 500g/L**
 REGISTRATION HOLDER: HARVEST CROP SOLUTIONS (PTY) LTD.
 DISTRIBUTOR: HARVEST CHEMICALS (PTY) LTD.
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1. CHEMICAL PRODUCT

Common Name: Fenhexamid
 Chemical Name: N-(2,3-dichloro-4-hydroxyphenyl)-1-methylcyclohexanecarboxamide(methylthio) phenyl(1-methylethyl) phosphoramidate CAS
 No.:126833-17-8

2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition	CAS No.	Content w/v
Fenhexamid	126833-17-8	500g/L min
Other ingredients	-----	Up to 1L

3. HAZARDS IDENTIFICATION

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

4. FIRST AID MEASURES

Ingestion: If ingestion is expected, call a doctor immediately.

Skin contact: Remove contaminated clothing. Wash affected area with soap and water. Seek medical advice if irritation develops.

Eye contact: immediately flush with water for at least 15 minutes, holding eyelids open. Seek medical attention if irritation persists.

Inhalation: Move to fresh air. Keep patient warm and rested. Call a physician or poison control centre immediately.

NOTE TO PHYSICIAN:

Treat symptomatically.

Gastric lavage is not normally required. If a significant amount has been ingested, administer activated charcoal and sodium sulphate.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Water spray, Carbon Dioxide, foam, sand

Special hazards during fire fighting: Carbon monoxide, nitrogen oxides, hydrogen chloride, hydrogen cyanide

Special fire fighting equipment for fire fighters: In the event of a fire and/or explosion do not inhale fumes, use breathing apparatus.

Contain runoff to prevent entry into sewers or waterways.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Avoid contact with spilled product or contaminated surfaces.

Wear personal protective equipment. Unprotected persons must be kept away.

Methods for cleaning up:

Contain spillage with sufficient absorbent material to absorb all liquid. Sweep into suitable container and store in a safe place until disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. When using, do not eat, drink or smoke. Wash thoroughly after using this product.

Storage: Store in the original in a cool, dry, well-ventilated place away from food, drink and animal feeding stuffs. Keep container tightly closed, away from children.

Storage temperatures -10-<40°C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hand protection:

PVC or nitrile rubber gloves

Eye protection:

Safety glasses with side shields

Hygiene measures:

Avoid contact with skin, eyes and clothing. Wash hands before breaks and at the end of the work day. Remove soiled/soaked clothing immediately and clean thoroughly before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White homogeneous liquid.
PH: (1% deion. Water): 5.0-7.0
Persistent foaming: 25ml max after 1 minute
Density: 1.15-1.19g/ml at 20°C
Suspensibility: >90%

10. STABILITY AND REACTIVITY

Chemical Stability: stable under normal conditions.

Conditions to avoid: Incompatible materials and strong oxidants.

Incompatibilities with other materials: strong oxidizing agents, strong bases.

Hazardous decomposition products: Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, nitrogen.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity: LD50: rat > 2.500mg/kg.

Acute Dermal toxicity: LD50: rat > 4.000mg/kg

Eye effects: No eye irritation (rabbit)

Skin irritation: no skin irritation (rabbit).

Sensitization: Non-sensitizing (rabbit)

OECD test guideline 406, Buehler test

12. ECOLOGICAL AND ECOTOXICOLOGICAL INFORMATION

Toxicity to fish:

LCS0 (Rainbow trout (*Oncorhynchus mykiss*)) 3,02 mg/l Exposure time: 96h

Toxicity to daphnia:

ECS0 (Water flea (*Daphnia magna*)) > 18.8mg/l Exposure time: 48 h

The value mentioned relates to the active ingredient. Toxicity to algae:

ICS0 (*Desmodesmus subspicatus*) 48,1 mg/l

Growth rate exposure time: 72h

13. DISPOSAL CONSIDERATIONS

Disposals should be carried out in accordance with local, state and national legislation.

14. TRANSPORT INFORMATION

Not available

15. REGULATORY INFORMATION

Not available

16. OTHER INFORMATION

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS 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 on receipt of this MSDS 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 the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to endure the transfer of all relevant information from this MSDS to their on MSDS.