



Hangzhou Tianlong Biotechnology Co., Ltd.

Add: Room 1906, Fengqi Times Tower, No.338, Fengqi East Road, Hangzhou, Zhejiang, China.

MATERIAL SAFETY DATA SHEET

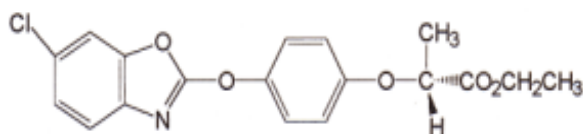
1. Chemical Product and company Identification

Product Name: Fenoxaprop-p-ethyl

Molecular Formula: C₁₈H₁₆ClNO₅

Molecular Weight: 361.8

Structural Formula:



Chemical Name: ethyl(R)-2-[4-(6-chloro-1,3-benzoxazolyl-2-yl)oxy]phenoxy]propionate

CAS No.: 71283-80-2

Supplier: HANZHOU TIANLONG BIOTECHNOLOGY CO., LTD

Address: Room 1906, Fengqi Times Tower, No.338 Fengqi East Road, Hangzhou, China, 310020

Tel: 0086-571-87214516

Fax: 0086-571-87079476

2. Composition / Information on Ingredients

Composition	CAS No.	Content %
Fenoxaprop-p-ethyl	71283-80-2	92.0
Other ingredients		8.0

3. Hazards Identification

Can cause skin, eye and respiratory tract irritation. Allergic reactions are possible. Harmful if inhaled or swallowed. Exposure to high vapor levels may cause headache, dizziness, numbness, nausea, incoordination, or other central nervous system effects.

4. First Aid Measures

Swallowed: Wash out mouth with water. Do not induce vomiting. Give a glass of water. Keep patient at rest and seek medical advice as above.

Eye: Rinse eyes immediately with clean water for at least 15 minutes and obtain medical aid.

Skin: Carefully remove contaminated clothing. Wash affected areas with soap and water. Seek medical aid if at all worried.

Inhaled: If inhaled, remove to fresh air and keep at rest. Obtain medical advice if at all worried.

First Aid Facilities: No specific requirements.

5. Fire-Fighting Measures

Fire/Explosion Hazard:

Extinguishing Media: Water fog, fine water spray, foam, carbon dioxide or dry agent.

Special Fire Fighting Procedures: Fire fighters should wear full protective gear, including self-contained breathing apparatus. Toxic decomposition products may be produced in a fire. Keep unnecessary people away. Use water spray to cool fire-exposed containers. Bund area to prevent contamination of water sources. Dispose of fire control water and spillage later.

6. Accidental Release Measures

Spills and Disposal:

Spillage or Leak Procedures: Avoid contact with the spilled material or contaminated surfaces. When dealing with spills wear personal protective clothing and equipment as described in the personal protection section above. Do not smoke. Keep people and animals away and upwind. Contain spill and absorb with earth, sand, clay, or other absorbent material, collect and store in properly labelled, sealed drums for safe disposal. Deal with all spillages immediately. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

7. Handling and Storage

Keep out of reach of children. Avoid contact with eyes and skin. Do not inhale vapor. If product in eyes wash it out immediately with water. Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Protect from extremes of heat and cold. Keep away from food, drink and animal feed.

8. Exposure Controls/Personal Protection

Engineering Controls: Control process conditions to avoid contact. Use only in well ventilated areas.

Personal Protection: Eyes: Wear face shield or goggles.

Clothing: Wear cotton overalls buttoned to the neck and wrist and washable hat.

Gloves: Wear elbow length PVC gloves.

Respiratory: Not normally required. However, if exposure to product vapor is likely, wear a respirator with an organic vapor cartridge.

Other: After each day's use, wash gloves, face shield or goggles and contaminated clothing.

9. Physical and Chemical Properties

Appearance: Beige to brown amorphous solid

Melting Point: 88-91 ° C

Vapor Pressure: 530mPa@20 ° C

Relative Density: 1.30 g/mL at 20° C

Flash Point: > 100 °C (closed cup)

Flammability Limits: No data

Solubility in Water: 0.7mg/L@20 ° C , pH=5.8

PH (emulsion in water): 7 – 9

10. Stability and Reactivity

Stability: Stable under normal use and storage conditions.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None known.

Can decompose at high temperatures forming toxic gases.

Hazardous Decomposition Products:

Materials to Avoid: Oxidizing agents.

11. Toxicological Information

Acute Oral LD₅₀ (mg/kg): rat 3150-4000

Mouse > 5000

Acute Dermal LD₅₀ (mg/kg) > 2000 Species: Rat

Inhalation LC₅₀ (mg/L) > 1.224 (4 h) Species: Rat

Eye irritation slightly irritating Species: Rabbit

Skin irritation slightly irritating Species: Rabbit

Sensitisation none sensitising Species: Guinea pig

12. Ecological Information

Dangerous to the aquatic environment. Low toxicity to bees and earthworms.

Fish toxicity: LC₅₀ (96 h) for rainbow trout 0.57 mg/L Daphnia

toxicity: EC₅₀ (48 h) for Daphnia magna 0.56 mg/L Bird

toxicity: Acute oral LD₅₀ for bobwhite quail > 2000 mg/kg

Algae toxicity: LC₅₀ (72 h) for Scenedesmus subspicatus 0.51 mg/L

13. Disposal Considerations

Waste Disposal Methods: Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. 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. Empty containers and product should not be burnt. Dispose of waste material via a licensed waste disposal contractor to a regulated landfill.

14. Transport Information

Class: 9

UN NO. : 3077

Packing Group: III

15. Regulatory Information

Keep locked up and out of reach children.

Keep away from food, drink and animal feeding stuffs.

Do not breathe vapour/spray.

Avoid contact with skin and eyes.

Wear suitable protective clothing, gloves and eye/face protection.

Avoid release to the environment.

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 ensure the transfer of all relevant information from this MSDS to their own MSDS.