



Hangzhou Tianlong Biotechnology Co., Ltd.

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MATERIAL SAFETY DATA SHEET

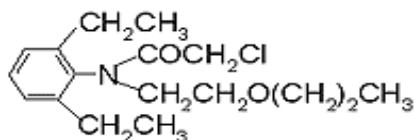
1. Chemical Product and Company Identification

Product Name: Pretilachlor

Molecular Formula: C₁₇H₂₆ClNO₂

Molecular Weight: 311.9

Structural Formula:



Chemical Name: 2-chloro-N-(2,6-diethylphenyl)-N-(2-propoxyethyl)acetamide

CAS No.: 51218-49-6

UN NO.: 3082

2. Composition / Information On Ingredients

Composition	CAS No.	Content %
Pretilachlor	51218-49-6	95.0
Other ingredients		5.0

3. Hazards Identification

Health Hazards: Harmful: may cause lung damage if swallowed. Irritating to skin and eyes. May cause sensitization by skin contact.

Environmental hazard in case of accident (Spillage/Leakage): Toxic to fish.

4. First Aid Measures

General: Remove the affected person from the danger zone to a well-ventilated room or to fresh air, and protect from undercooling.

In case of suspect poisoning: Immediately call a physician.

Eye Contact: Rinse eyes with clean water for several minutes and immediately call a physician.

Ingestion: Repeatedly administer medicinal charcoal in a large quantity of water. Never give anything by mouth to an unconscious person. Do not

induce vomiting.

Skin Contact: Remove contaminated clothing and thoroughly wash the affected parts of the body with soap and water, including hair and under fingernails.

Medical Instructions

Antidote: No specific antidote is known! Apply symptomatic therapy.

Experiences Specific to Man: No case of human poisoning is on record.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Dry chemical extinguisher, foam, carbon dioxide or waterspray (do not use direct jet of water).

Fire fighting Special Hazards during Fire Fighting: Combustion products are toxic and/or irritant. Measures have to be taken to prevent the contaminated extinguishing agent from seeping into the ground or from spreading uncontrollably.

Protective Equipment for Fire Fighting: Use self contained breathing apparatus. Wear protective equipment.

Swiss Fire Prevention Class: F3 L

6. Accidental Release Measures

Environmental Protection Measures following Accidents: Soak up with absorptive material such as sand, soil, diatomaceous earth, etc. Prevent material from spreading, e.g. by damming in with absorptive material. Collect material in specially marked, tightly closing containers. Spilled product cannot be used further and must be disposed of. If safe disposal is not possible, contact the manufacturer, the dealer or the local representative. Do not contaminate waters and sewers. Keep away from sources of ignition.

7. Handling And Storage

Handling: Avoid contact with skin, eyes and clothing. Avoid inhalation of fog and vapours. Do not eat, drink or smoke while working. In addition to the measures usually taken in chemical works like splash proof filling and measuring equipment (including vapour stripping), further personal protection measures may have to be implemented to avoid possible contact with the product.

Storage: Store the product in closed original containers. Protect from light and humidity. separately from feed, food and stimulants.

8. Exposure Controls/Personal Protection

In General: Change working clothes daily.

Breathing Protection: Gas mask with universal filter.

Eye Protection: Goggles or face-shield

Hand Protection: Chemical-resistant gloves

Body Protection: Heavy duty cotton or synthetic fabric working clothes (e.g.

overalls). Heavy-duty shoes or boots.

Precautionary measures after work: Wash thoroughly (shower, bathe, wash hair). Change clothing. Thoroughly clean protective gear. Thoroughly clean contaminated equipment with soap or soda solution.

9. Physical and Chemical Properties

Form: Liquid

Color: Colorless

Odor: Odorless

Vapor pressure :0.133mPa (20°C)

Solubility: In water 50mg/l, and very soluble in benzene, hexane, methanol and dichloromethane

Density:1.075(20°C)

Boiling point: 135°C /0.001mmHg

Corrosive properties: Corrosive to iron

10. Stability and Reactivity

Assessment: Stable under standard conditions.

Stability: Relatively stable to hydrolysis; DT 50 (calc.) (20°C) > 200d (pH 1- pH 9),14 d (pH 13).

Sensitivity to humidity: not sensitive to humidity

Air Sensitivity: not sensitive to air

Sensitivity to light: not sensitive to light

11. Toxicological Information

Acute Oral Toxicity: LD50: 6099 mg/kg (rat)

Acute Dermal Toxicity: LD50: > 3100 mg/kg (rat)

Acute Inhalation Toxicity: LC50: > 2.8mg/L (rat; 4 h)

Acute Skin Irritation: irritant (rabbit)

Acute Eye Irritation: irritant (rabbit)

Skin Sensitization: sensitizing (guinea pig)

12. Ecological Information

Environmental hazard in case of accident (Spillage/Leakage): Toxic to fish.

13. Disposal Considerations

Product Disposal: Pay attention to protective clothing and measures. Cover up product with absorptive material such as sand, soil, diatomaceous earth, etc. Collect material in specially marked, tightly closing containers. Clean dirty areas with water and detergent. Put washing water in containers too, to avoid any contamination of surface and ground water, water supplies and drains. Hose down the area for a prolonged period. Heavily contaminated soil layers have to be dug out down to clean soil. Spilled product cannot be used further and must be disposed of. If safe disposal is not possible, contact the manufacturer, the dealer or the local representative and dispose of in an incinerator approved for chemicals.

Container Disposal: Dispose of empty containers in an incinerator approved

for chemicals.

Damaged containers: Place original containers in specially marked larger ones. Check possibilities of recycling large empty containers, drums and barrels.

14. Transport Information

Class: 9

UN NO.: 3082

Packing group: III

15. Regulatory Information

Risk phrases:

R38: Irritating to skin.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

S60: This material and its container must be disposed of as hazardous waste.

S61: 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.