



MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

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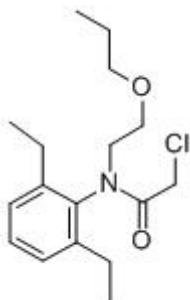
1. Chemical Product Identification

Product Name: Pretilachlor 50% EC

Molecular Formula: C₁₇H₂₆ClNO₂

Molecular Weight: 311.85

Structural Formula:



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

Form: Transparent liquid

Colour: Yellowish

Odor: With a faint, sweet odour

CAS No.: 51218-49-6

2. Composition / Information On Ingredients

Composition	CAS No.	Content
Pretilachlor	51218-49-6	50%
Other ingredients	--	50%

3. Hazards Identification



More important danger for the man: none;

Dangers for the environment: toxic to aquatic; low accumulation;

Physical-chemical dangers: can decompose at high temperatures forming toxic gases.

4. First Aid Measures

Skin: remove contaminated clothing and shoes, flush with plenty of water and soap.

Eyes: flush with plenty of clear water for 15-20 minutes.

Inhalation: move affect person to fresh air and keep at rest until recovered. If not breathing, give artificial respiration and get to a doctor.

Ingestion: do not induce vomiting; drink plenty of water. Then see doctor immediately.

5. Fire-Fighting Measures

Extinguishing media;

Fire extinguishing media: Water spray, foam, carbon dioxide, dry extinguishing media.

Special fire fighting procedures: Fire fighters should use self contained breathing apparatus and full turnout gear. Prevent runoff of fire water. Avoid exposure to smoke.

Unusual fire and explosion hazards: Noxious fumes may be emitted under fire conditions.

6. Accidental Release Measures

Personal cautions: The product is harmful if inhaled or swallowed. Will irritate the eyes, nose, throat and skin. Avoid inhaling spray mist. Keep people and animals away and upwind.

Cleaning methods

EX: clear the liquid formation. Transfer to a properly labelled deposit that will be closed and sealed until the recovery of climination of the product.

Environmental cautions

EX: prevent the contamination of the floor and of beds of water.

7. Handling And Storage

Handling:

Precautions to avoid fire and explosion:

- avoid accumulation of electrostatic charges
- keep away from flames and sparks. Do not smoke.

Handle under adequate ventilation.



Storage:

In original packaging under normal storage condition. Packages should not be exposed to direct sunlight and must be kept unopened and undamaged.

Store in a cool, dry place.

8. Exposure Controls/personal protection

Personal protective equipment: Full-length overalls

Respiratory protection: Approved respirator.

Approved respirator: Rubber gloves

Eye protection: Safety goggles or face shield.

Industrial hygiene: Ventilation.

9. Physical And Chemical Properties

Appearance: Yellowish transparent liquid

Water: $\leq 0.5\%$

Acidity (as H₂SO₄): $\leq 0.2\%$

Emulsion stability (Diluted 20 times): Qualified.

10. Stability And Reactivity

Conditions to avoid: Avoid heat and fire.

Products to avoid: Not applicable

Thermal decomposition: Not applicable

Hazardous decomposition products: Toxic gases.

Hazardous reaction: None.

11. Toxicological Information

Acute oral LD₅₀ for rats: 6099 a.i.mg/kg.

Acute dermal LD₅₀ for rats: >3100 a.i.mg/kg.

Acute inhalation toxicity LC₅₀ (4 h) for rats: 2.8 a.i.mg/L.

Skin irritation: Moderately irritating to skin (rabbits).

Eye irritation: Non-irritating to eyes (rabbits).

Skin sensitization for guinea pig: Not a sensitiser.



12. Ecological And Ecotoxicological Information

Effect on birds: Acute oral LD50 for Japanese quail is 10000 a.i.mg/kg.

Effect on fish: Acute LC50 (96 h) for Rainbow trout is 0.9 a.i.mg/l.

Effects on aquatic invertebrates: Acute EC50 (48 h) for Daphnia magna is 13 a.i.mg/l.

Effects on algae: Acute 72 hour EC50 for Scenedesmus acutus is 9.29 a.i.mg/l.

Effects on bees: contact acute 48 hour LD50 is 93 a.i.µg/bee.

Effects on earthworms: Acute 14 day LC50 is 19.23 a.i.mg/kg.

13. Disposal Considerations

Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state and environmental regulations.

14. Transport Information

Class: 6.1 UN No.: 2769

15. Regulatory Information

Not applicable

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.