

MATERIAL SAFETY DATA SHEET

PRODUCT : PRETILACHLOR 50% EC

PRODUCT DESIGNATION : Herbicide

Section 1. Product & Company Identification

Common Name : Pretilachlor
Grade : Formulation
Active Ingredient : Pretilachlor
Chemical Name of Active : 2-chloro-N-(2,6-diethylphenyl)-N-(2-propoxyethyl)
Ingredient (IUPAC) : acetanilide
Chemical Family of A. I. : Chloroacetanilides
Molecular Formula of A. I. : C₁₇H₂₆ClNO₂
Molecular Mass of A. I. : 311.9g/mol
Manufacturer & Supplier : **M/s United Chemicals**
Head office:B-371, 1st Floor, Meera Bagh, New Delhi,
Factory:15/1, 15/2, 15/3, Industrial Estate, Vidisha,
(M.P)
Telephone Number : +91-11-25258770

Section 2. Composition / Information on Ingredients

Name of Components	Concentration% w/w
Pretilachlor	50.00% w/w
Inert ingredient	50.00% w/w
TOTAL	100.00% w/w

Section 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.

Section 4. First Aid Measures

If in Eyes : Flush immediately with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

If in Skin : Wash thoroughly with soap and water. Remove contaminated clothing and shoes and launder.

If Inhaled : Remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

If Swallowed : Offer a glass of water or milk to drink. Call a physician or poison control center. Do not induce vomiting unless directed.

Antidote: There is no specific antidote. Treat symptomatically.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media:

Dry chemical extinguisher, foam, carbon dioxide or water spray (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.

Section 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.

Section 7. Handling & 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.

Section 8. Exposure Control, Personal Protection

Occupational Exposure Controls:

Ventilation:

Provide local exhaust ventilation system.

Eye protection:

Employee must wear splash-proof or dust-resistant safety goggles to prevent eye contact with this substance.

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 within the immediate work area for emergency use.

Clothing:

Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance.

Gloves:

Employee must wear appropriate protective gloves to prevent contact with this substance.

Section 9. Physical and Chemical Properties

Appearance / state	: Colourless,Liquid
Colour	: Colourless
Odour	: Odourless
Corrosive properties :	: Corrosive to iron
Density	: 1.075(20°C)
Boiling point	: 135°C /0.001mmHg
Solubility	: In water 50mg/l.
Vapour pressure	: 0.133mPa (20°C)

Section 10. Stability & Reactivity

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

Section 11. Toxicological Information

Acute Oral Toxicity : LD₅₀ for rats : >6099mg/kg

Acute Dermal Toxicity : LD₅₀ for rats : >3100 mg /kg

Acute Inhalation : LC₅₀ (4h) rats : >2.8mg/l

Eye Irritation : Irritating to Eyes

Skin Irritant : irritating

Skin sensitization : sensitizer

Section 12. Ecological Information

Birds Acute oral LD₅₀ for Bobwhite Quail and Mallard Ducks >4640 mg/kg

Fish LC₅₀ (96h) for Rainbow trout 86 mg/l

Bee LD₅₀ (oral and contact): >100µg/bee

Section 13. Disposal Consideration

Product Disposal:

Pay attention to protective clothing and measures. Cover up product with absorptive materialsuch 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 containerstoo, 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:

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

Damaged containers:

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

Section 14. Transport Information

IMDG Classification

Shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (Pretilachlor)

Class : 9

Packing group : III

UN number : 3082

Marine pollutant : Yes

Section 15. Regulatory Information

Hazard statements

H332 Harmful if inhaled.

H410 Very toxic to aquatic life with long lasting effects

Precautionary statements

Admn. Off. : B-371, 1st Floor, Meera Bagh, Delhi-110063 (India)
Ph. : 25258770, 25258771, 25258772, 42334229

E-mail : utc_chemicals@hotmail.com
info@unitedchemicals.in

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P271 Use only outdoors or in a well-ventilated area.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 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 in 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 produces formulations(s) containing this product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.

Safety Division : UNITED CHEMICALS, SAFETY DIVISION