

MATERIAL SAFETY DATA SHEET

PRETILACHLOR TECHNICAL

1. Product and Company Identification

Product Name : Pretilachlor Technical

CAS No : 51218-49-6

Chemical Family : Chloroacetamide

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

Manufacturer : Ccreate Global Technologies Private Limited
Registered address: FFK Towers, #445, 2nd & 3rd Floor,
17th Cross Road, Sector 4, HSR Layout, Bangalore,
Bangalore South, Karnataka - 560102, India.
Email: info@scimplify.com:

2. Composition / Information on ingredients

Name	CAS #	% w/w
Pretilachlor Technical	51218-49-6	94.00 %
Other Associated impurities	-	6.00 %

3. Health Hazards Identification

Health Hazards Irritating to skin and eyes. May cause sensitization by skin contact

Environmental hazard in case of accident Toxic to fish

PRETILACHLOR TECHNICAL

4. First Aid Measures

Eye contact	Rinse eyes with plenty of clean water for several minutes and immediately call a physician.
Skin contact	Remove contaminated clothing and thoroughly wash the affected parts of the body with soap and water including hair and under fingernails.
Inhalation	Remove the affected person from the danger zone to a well ventilated room or to fresh air, and protect from under cooling. Get medical attention.
Ingestion	Repeatedly administer medicinal charcoal in a large quantity of water. NOTE: Never give anything by mouth to an unconscious person. Do not induce vomiting.
Antidote	No specific antidote is known. Apply symptomatic therapy

5. Fire Fighting Measures

Fire and Explosion hazards	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.
Extinguishing media	Dry chemical extinguisher, foam, carbon dioxide or water spray (do not use direct jet of water)
Firefighting Equipment	Use respirator to protect from fumes.

PRETILACHLOR TECHNICAL

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.

7. Handling and Storage

Handling information

General: 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. Store separately from feed, food and stimulants.

8. Exposure Controls/Personal Protection

Ingestion

Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material.

Inhalation

Gas mask with universal filter.

Eye protection

Goggles or face-shield

Skin contact

Heavy duty cotton or synthetic fabric working clothes (e.g. overalls). Rubber apron. Heavy duty shoes or boots. Chemical resistant gloves.

PRETILACHLOR TECHNICAL

9. Physical and Chemical Properties

Appearance	: Yellow to light brown liquid
Physical state	: Liquid
Boiling point	: 55.0 °C
Solubility	: In water 74mg/L (25°C) Completely miscible with acetone, hexane, methanol and dichloromethane
Vapour Pressure	: 6.5×10^{-1} mPa (25°C)

10. Stability and Reactivity

Chemical Stability	Relatively stable to hydrolysis
---------------------------	---------------------------------

11. Toxicological Information

Oral LD₅₀	: Rat: 5000 mg/kg body weight
Dermal LD₅₀	: Rat: > 2000 mg/kg body weight
Inhalation (LC₅₀) (4 hours)	: Rats > 3.87 mg/L
Dermal irritation	: Non-Irritant (Rabbit)
Eye irritation	: Non-Irritant (Rabbit)
Skin Sensitization	: Non-sensitizer

PRETILACHLOR TECHNICAL

12. Ecological Information

Fish LC₅₀ (96 h) Rainbow trout	1.6 mg/l
Fish LC₅₀ (96 h) Common carp	1.3 mg/l
Birds LD₅₀	Non toxic to birds.
Japanese quail	>2000 mg/kg.

13. Disposal Considerations

Waste Disposal Method	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.

PRETILACHLOR TECHNICAL

14. Transport Information

Rail/Road (RID/ADR)

Proper Shipper Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
Class	9
UN No.	3082
Packing Group	III

Sea (IMDG – Code)

Proper Shipper Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
Class	9
UN No.	3082
Packing Group	III

Air (ICAO/IATA)

Proper Shipper Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
Class	9
UN No.	3082
Packing Group	III

15. Regulatory Information

EU- Classification

Hazard Symbol	Xn	Harmful
	N	Dangerous for the environment

Special Risks (R-Phrases)	36/38	Irritating to eyes and skin.
	51	Toxic to aquatic organisms

Safety Advice (S- Phrases)	224/25	Avoid contact with skin and eyes
	7/8	Keep container tightly closed and dry
	20/21	When using do not eat, drink or smoke.

International WHO Toxicity Classification	U	Product unlikely to present acute hazard in normal use.
--	---	--

PRETILACHLOR TECHNICAL

16. Other Information

The information contained in this MSDS is based on our knowledge as is intended to describe our products from the point of view of safety handling & use. It should not therefore be construed as guaranteeing specific properties.