



# MATERIAL SAFETY DATA SHEET

**NACL Industries Limited**  
(Formerly known as Nagarjuna Agrichem Limited)

## 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** : NACL Industries Limited  
(Formerly known as Nagarjuna Agrichem Limited)  
Plot No.12-A, 'C' Block, Lakshmi Towers,  
Nagarjuna Hills, Punjagutta, Hyderabad- 500082.  
Telangana INDIA  
Emergency Phone: 040 33605264

### 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



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### 4. First Aid Measures

<b>Eye contact</b>	Rinse eyes with plenty of clean water for several minutes and immediately call a physician.
<b>Skin contact</b>	Remove contaminated clothing and thoroughly wash the affected parts of the body with soap and water including hair and under fingernails.
<b>Inhalation</b>	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.
<b>Ingestion</b>	Repeatedly administer medicinal charcoal in a large quantity of water. NOTE: Never give anything by mouth to an unconscious person. Do not induce vomiting.
<b>Antidote</b>	No specific antidote is known. Apply symptomatic therapy

### 5. Fire Fighting Measures

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



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### 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.



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### 9. Physical and Chemical Properties

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

### 10. Stability and Reactivity

<b>Chemical Stability</b>	Relatively stable to hydrolysis
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### 11. Toxicological Information

<b>Oral LD<sub>50</sub></b>	: Rat: 5000 mg/kg body weight
<b>Dermal LD<sub>50</sub></b>	: Rat: > 2000 mg/kg body weight
<b>Inhalation (LC<sub>50</sub>) (4 hours)</b>	: Rats > 3.87 mg/L
<b>Dermal irritation</b>	: Non-Irritant (Rabbit)
<b>Eye irritation</b>	: Non-Irritant (Rabbit)
<b>Skin Sensitization</b>	: Non-sensitizer



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### 12. Ecological Information

<b>Fish LC<sub>50</sub> (96 h) Rainbow trout</b>	1.6 mg/l
<b>Fish LC<sub>50</sub> (96 h) Common carp</b>	1.3 mg/l
<b>Birds LD<sub>50</sub></b>	Non toxic to birds.
<b>Japanese quail</b>	>2000 mg/kg.

### 13. Disposal Considerations

<b>Waste Disposal Method</b>	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.
<b>Container Disposal</b>	Dispose of empty containers in an incinerator approved for chemicals.
<b>Damaged Containers</b>	Place original containers in specially marked larger ones. Check possibilities of recycling large empty containers, drums and barrels.



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### 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.



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## **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.