

# GENEREX (AUST) PTY LTD

## MATERIAL SAFETY DATA SHEET

(Effective as at 12/5/05)

### I IDENTIFICATION

<b>Product Name:</b>	<b>Generex Chlorpyralid 300</b>
Chemical Name:	Chlorpyralid present as the triisopropanolamine salt
Hazchem Code:	None allocated
UN No.:	None allocated
Dangerous Goods Class:	None allocated
Sub Risk Class:	No Subsidiary Risk
Packaging Group:	None allocated
EPG:	None allocated
Poison Schedule:	S5

#### Physical appearance & Properties:

Appearance & Odour:	Clear bluish liquid
Boiling point:	Above 100(C
Vapour pressure:	1.33 mPa @ 24 degrees C
Volatile materials:	Water component.
Flashpoint:	N/A
Specific gravity:	Approximately 1.16 @ 20 degrees C
Solubility in water:	Completely soluble.
Corrosiveness:	Not corrosive.

#### Ingredients:

Components:	CAS No
Chlorpyralid present as the triisopropanolamine salt	1702-17-6

Chlorpyralid present at 300 gm/L. Other non hazardous ingredients the balance.

## II HEALTH HAZARD DATA

### Health Effects:

No specific data is available for the product for chronic exposure symptoms. The materials in this product are not considered to be carcinogenic by the Worksafe Australia lists. (October 1991)

### Acute Effects:

Swallowed: Data suggests that the product should be considered to be of low toxicity by ingestion.

Eye: Data suggests that the product should be classified as moderately irritating to the eyes.

Skin: Data suggests that the product is not a skin irritant and not harmful via dermal exposure.

Inhalation: Data suggests that the product should be classified as mildly irritating by inhalation.

Reproductive toxicity: Data indicates no reproductive effects.

Mutagenicity: Data indicates no mutagenic effects.

Acute toxicity for Chlorpyralid LC50 Inhalation (Rat) = > 0.38 mg/L

Acute toxicity for Chlorpyralid LD50 Oral (Rat) = >5000 mg/kg

Acute toxicity for Chlorpyralid LD50 Dermal (Rat) = >2000 mg/L

### First Aid:

If poisoning occurs, contact a doctor or Poisons Information Centre (13 11 26).

Swallowed: If swallowed, contact Poisons Centre.

Eye: If this product comes into contact with eyes, hold eyes open and wash with running water for at least 15 minutes. Ensure irrigation under eyelids by occasionally lifting eyelids. Do not attempt to remove contact lenses unless trained. Transport to hospital or doctor immediately if eye irritation develops.

Skin: If this product comes into contact with skin, wash skin for at least 15 minutes with soap and water. Remove contaminated clothing and footwear. Ensure contaminated clothing is thoroughly washed before using again. Transport to hospital or doctor if skin irritation develops.

Inhalation: If mists or combustion products are inhaled, remove to fresh air. Lay victim down and keep warm and rested. If breathing is shallow, or has stopped ensure clear airway and apply resuscitation or oxygen if available. Transport to hospital or doctor immediately.

Eye wash stations or baths should be available where product is being used.

Advice to doctor: Treat symptomatically. Note the nature of this product.

### III PRECAUTIONS FOR USE

#### Exposure Standards:

A TWA value of 10 and a STEL value (not set) has been established for a significant ingredient of this product. Values expressed as mg/m<sup>3</sup>. Exposure values at the STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. Exposure values at the TWA (Time Weighted Average) means the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.

See ingredients section on page 1 of this data sheet.

#### Engineering Controls:

In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source or other methods. If you believe airborne concentrations of mist, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

#### Personal protection:

When preparing spray, wear PVC or rubber apron, elbow length PVC gloves and face shield. When using the prepared spray, wear face shield. If product gets on skin, immediately wash area with soap and water.

Respiratory Protection: A face mask or respirator should be used when this material is being used. For help in selecting suitable equipment consult AS 1715.

Flammability Limits: Upper: Not flammable, Lower: Not flammable.

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face shields and contaminated clothing.

## **IV SAFE HANDLING INFORMATION**

### Storage & Transport:

No special requirements storage and transport requirements. This material has no UN classification. This material is classed as a S5 Poison. Observe appropriate state regulations for storage, transport and sale. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure the material does not come into contact with water or acids.

### Spills and disposals:

In event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including face mask, face shield and gauntlets. Stop leak if safe to do so, and contain spill. Absorb onto vermiculite or other absorbent material. Sweep up and shovel and collect recoverable product into labelled containers for recycling or salvage. After spills, wash area, preventing run off from entering drains. If material enters drains, advise emergency services. This material may be suitable for approved landfill. Dispose of only in compliance with local, state and federal regulations. Launder all contaminated clothing before re-use.

### Fire/Explosion Hazard:

There is no explosion hazard from this material under normal circumstances.

Flashpoint: Does not burn.

Extinguishing Media: Use media suited to burning material.

Special Fire fighting Procedures: Wear full protective clothing including face mask, face shield and gauntlets.

Unusual fire and Explosion hazards: Decomposition products are toxic and corrosive.

There is little or no chance of an explosion from this product if involved in a fire.

Product may emit toxic fumes of Hydrogen Chloride or phosgene if involved in fires.

## **V ENVIRONMENT CONSIDERATIONS**

### Toxicity to Birds and Bees

Non toxic to birds and bees.

### Toxicity to Fish

Acute toxicity to fish:

Rainbow trout: LC50 (96) hours 103.5 mg/L

Bluegill Sunfish: LC50 (96) hours 125.4 mg/L

### Drift

Avoid spray drift as it can cause damage to non target species.

### Persistence

Soil persistence studies indicate a half life minimum of a week and maximum of 2 months dependant on climatic conditions, soil type etc.

Dams, waterways should not be contaminated as product can move to non target site situations.

## **V1 OTHER INFORMATION**

IN CASE OF EMERGENCY: DIAL 000  
IF INEFFECTIVE: PHONE POISONS INFORMATION CENTRE

### **SPECIALIST COMPANY ADVICE:-**

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