

# GENEREX (AUST) PTY LTD

## MATERIAL SAFETY DATA SHEET

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### I IDENTIFICATION

Product Name: Generex Glyphosate 450 Herbicide.  
Chemical Name: N-(phosphonomethyl) glycine.  
Chemical Class: Phosphonoglycine herbicide.  
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  
Use: A non-residual herbicide for the control of a broad range of Annual and Perennial Weeds.

### **Physical appearance & Properties:**

Appearance & Odour: viscous amber coloured liquid. Odourless to slight amine odour.

Melting/softening point: About 0°C

Boiling point and: About 100°C

Vapour pressure: Not Known

Volatile materials: Water component.

Flashpoint: Not flammable.

Specific gravity: 1.2

Solubility in water: Completely soluble.

Corrosiveness: Slightly corrosive to iron and other metals.

### Ingredients:

Component	CAS No	%
Glyphosate as the Isopropylamine salt	38641-94-0	45% (w/v)
Surfactant (Proprietary)		9.9%
Inert components and Water		to 100%

### II HEALTH HAZARD DATA

Hazardous according to criteria of Worksafe Australia.

### **Toxicity Data:**

For glyphosate as the isopropylamine salt:

Acute oral LD<sub>50</sub> (rats): >5000mg/kg

Acute Dermal LD<sub>50</sub> (rabbits): > 5,000mg/kg

Acute inhalation LC<sub>50</sub> (rats – 4hr): >1.3mg/L (LC<sub>50</sub> concentration not reached)  
Irritation to skin (rabbit): slight irritant  
Irritation to eye (rabbit): irritant due to surfactant  
Skin sensitisation (guinea pig): not a sensitiser

Toxicity to bees: not toxic  
Oral LD<sub>50</sub> >100 microgram/bee  
Toxicity to birds: not toxic

### **Acute Effects:**

Swallowed: Data suggests that the product should be considered to be slightly toxic by ingestion.

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

Skin: Data suggests that the product should be classified as slightly irritating to the skin

Inhalation: Data suggests that the product should be classified as moderately irritating by inhalation. May cause coughing and chest discomfort..

Primary route of exposure is inhalation and skin and eye contact.

Glyphosate LD<sub>50</sub> Oral (Rat) >5000mg/Kg.

### **First Aid:**

Swallowed: If swallowed, do NOT induce vomiting. Rinse mouth with water. Give a glass of water to drink. Contact a doctor or Poisons Information Centre if symptoms of poisoning develop.

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 time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Worksafe Australia for any of the ingredients in this product. Value of 10 and a STEL value of “not set” has been established for a significant ingredient of this product. There is a blanket recommendation of 10mg/M3 for inspirable dusts or mists when limits have not otherwise been established. The nature of this product makes it unlikely that this level will be approached in normal use.

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 controlled droplet applicator, wear protective waterproof clothing and impervious footwear. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each days use, wash gloves, face shield and goggles.

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.

## **IV SAFE HANDLING INFORMATION**

This product has been assessed according to the Worksafe criteria for classifying hazardous substances and is classified as hazardous:

Risk Phrases: R36 – Irritating to eyes.

Safety Phrases: S25 – Avoid contact with eyes.

S39 – Wear eye/face protection.

### **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: Not flammable..

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.

Stability: Stable.

Polymerisation: Will not polymerise.

Decomposition Products: Carbon dioxide, carbon monoxide, nitrogen oxides, oxides of phosphorous, water.

Materials to avoid: Strong acids, strong alkalis, strong oxidising agents.

## **V OTHER INFORMATION**

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

SPECIALIST COMPANY ADVICE:-

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