

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY:

### **SAMURAI**

SUPPLIER NAME: Zelam Limited  
SUPPLIER CODE: None  
SUPPLIER ADDRESS: Hudson Road, Bell Block, New Plymouth, New Zealand  
SUPPLIER PHONE: +64 6 755 9234 SUPPLIER FAX: +64 6 755 1174  
EMERGENCY PHONE: 0800 243 622, 0800 CHEMCALL INTERNATIONAL EMERGENCY PH: +64 3 353 0199  
CHEMICAL FAMILY: phosphono methyl glycine USE: Non-selective Systemic Herbicide

## 2. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
glyphosate isopropylammonium	38641-94-0	68%	Class 6, 9.

## 3. HAZARDS IDENTIFICATION:

Harmful - may cause skin irritation. Avoid contact with skin.  
Harmful - may cause eye irritation. Avoid contact with eyes.  
Refer to Section 15 for ERMA Requirements.

## 4. FIRST - AID MEASURES:

EYE CONTACT: Immediately flush with flowing water for at least 15 minutes. Seek medical attention if irritation occurs.  
SKIN CONTACT: Wash with plenty of soap and flowing water for at least 15 minutes while removing contaminated clothing. Wash clothing before reuse.  
INHALATION: If ill-effects occur, move the victim to fresh air. If ill-effects persist, consult a doctor.  
INGESTION: If swallowed, drink several glasses of water. DO NOT induce vomiting unless patient has induced high doses. Seek medical advice  
NOTES TO DOCTOR: No specific antidote.

## 5. FIRE FIGHTING MEASURES:

FLASHPOINT: Non-flammable.  
FLAMMABLE LIMITS: None.  
EXTINGUISHING MEDIA: Dry chemical, water spray (fog), foam or carbon dioxide.  
THERMAL DECOMPOSITION PRODUCTS: Include oxides of carbon and nitrogen.  
SPECIAL FIRE FIGHTING METHODS: Addition of water may cause excessive foaming. Vapours may be toxic. Self contained breathing apparatus required. Do not allow contaminated runoff to enter drains.  
UNUSUAL FIRE OR EXPLOSION HAZARDS: None.

## 6. ACCIDENTAL RELEASE MEASURES:

Use appropriate protective equipment. Clear area of unnecessary personnel. Spills may be slippery and should be cleaned up immediately. Large spill: Dike and pump as much as possible to a salvage container. Absorb the remaining liquid and any small spills with clay granules, sand or other absorbent material and sweep to a waste container. Cover the spill area with water and absorb. Minimise runoff into waterways or drains.

## 7. HANDLING AND STORAGE:

Do not mix or store in galvanised or unlined steel. Store in original container, tightly closed, away from foodstuffs, seeds, fertilisers and pesticides. Keep out of reach of children. Wash protective clothing daily after work.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EXPOSURE LIMITS: Not established by OSHA.  
EYE PROTECTION: Chemical goggles or face shield where splash may occur.  
RESPIRATORY PROTECTION: Air respirator with organic vapour canister or self contained breathing apparatus when exposed to vapours from heated material.  
PROTECTIVE CLOTHING: PVC-coated gloves. Avoid skin contact.  
VENTILATION: General (mechanical) room ventilation is considered satisfactory.  
HYGIENE PRECAUTIONS: Do not eat drink or smoke while working with this product. Remove clothing that becomes soaked or contaminated and wash before reuse. Wash hands before and after work. The use of a skin barrier cream is useful to give additional skin protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE / STATE / ODOUR: Clear brown liquid water soluble concentrate.  
BOILING POINT: Not Available. pH: 5.0.  
DENSITY: 1.170g/mL @ 20°C. SETTING POINT: Not Available.  
DECOMPOSITION TEMP: Not Available. AUTOIGNITION TEMP: Not Applicable.  
FLASHPOINT: Not Applicable. VAPOUR DENSITY: Not Available.  
EXPLOSION PROPERTIES: Not Applicable. VAPOUR PRESSURE: Not Available.  
SOLUBILITY: 100% in water.  
OTHER DATA:  
OCTANOL / WATER PARTITION COEFFICIENT: Not Available.

## **10. STABILITY AND REACTIVITY:**

CONDITIONS TO AVOID: None.  
MATERIALS TO AVOID: Galvanised or unlined steel containers.  
HAZARDOUS DECOMPOSITION PRODUCTS: None.

## **11. TOXICOLOGICAL INFORMATION:**

ACUTE ORAL: LD50 (rats) >5400mg/kg.  
ACUTE DERMAL: LC50 (4hr) inhalation >12 000 mg/Kg.  
ACUTE INHALATION: LC50 (rats) >3.28 mg/L for 4 hour aerosol exposure.  
OTHER TOXICITY INFORMATION: 6.3A; Harmful - may cause skin irritation. Avoid contact with skin.  
6.4A; Harmful - may cause eye irritation. Avoid contact with eyes.

## **12. ECOLOGICAL INFORMATION:**

Aquatic Toxicity: Toxic to Algae. Not toxic to fish. LC50 (96hr) rainbow trout, 370 mg/L.  
Soil Toxicity: Not toxic to soil environment.  
Terrestrial Vertebrates - Birds: Not toxic to birds.  
Terrestrial Invertebrates - Bees: Not toxic to bees.

9.1B; Toxic to algae. Not toxic to fish.

## **13. DISPOSAL CONSIDERATIONS:**

Triple rinse container and add residue to spray tank. Burn the container if circumstances, especially wind direction permit. Otherwise bury in a landfill. Avoid contamination of any water supply with chemical or empty container. Do not use the container for any other purpose.

## **14. TRANSPORT INFORMATION:**

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S      UN Hazard Class: 9.  
UN Number: 3082      Packing Group: III  
Hazchem Code: 2X  
Additional Information: Contains Glyphosate.

## **15. REGULATORY INFORMATION:**

This product DOES NOT have any Approved Handler, Tracking, or Record Keeping Requirements.

See the ERMA Website for more details: [www.ermanz.govt.nz](http://www.ermanz.govt.nz)  
ERMA Approval Code: HSR000769.  
ACVM Pesticide Number: P005507.

## **16. OTHER INFORMATION:**

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.