

SAFTY DATA SHEET

ZONDA STUMP GEL

Issue Date: 01/02/2017

1. SUBSTANCE IDENTIFICATION:

Picloram Gel

SUPPLIER NAME: GROSAFE CHEMICALS
SUPPLIER CODE: None
SUPPLIER ADDRESS: 20 JEAN BATTEN DRIVE
SUPPLIER PHONE: 07 572 2662
EMERGENCY PHONE: 0800 POISON

2. HAZARDS IDENTIFICATION:

Primary Identifiers: Ecotoxic

Hazard Classes:

6.5B - May cause an allergic skin reaction.

6.9B - May cause organ damage from repeated ingestion at high doses.

9.2A - Very toxic to the soil environment.

Refer to Section 15 for ERMA Requirements.

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMMON NAME	CAS NUMBER	CONCENTRATION
Picloram potassium salt	2545-60-0	5%
Other ingredients, granule, dye, etc.	Proprietary	Remainder

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: Do not induce vomiting. Seek medical advice immediately.

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.

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7. HANDLING AND STORAGE:

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: Where eye contact is likely, use chemical splash goggles.
RESPIRATORY PROTECTION: Air respirator with organic vapour canister or self contained breathing apparatus when exposed to vapours from heated material.
PROTECTIVE CLOTHING: Where contact is likely, wear chemical-resistant (such as nitrile or butyl) gloves, coveralls, socks and chemical-resistant footwear.
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 breaks 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 Gel with a non-specific odour.
BOILING POINT: Not Available. pH: 7 - 9.
DENSITY: 1.03g/mL @ approx. 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: Soluble in water.
OTHER DATA:
OCTANOL / WATER PARTITION COEFFICIENT: Not Available.

10. STABILITY AND REACTIVITY:

STABILITY: Stable under normal conditions.
CONDITIONS TO AVOID: Avoid mixing with strong acids, alkalis and oxidizing agents such as chlorine compounds etc.
MATERIALS TO AVOID: None.
HAZARDOUS DECOMPOSITION PRODUCTS: Products arising from combustion or thermal decomposition may be toxic, corrosive or flammable..

11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL: LD50 (Mice) >2000 mg/kg.
ACUTE DERMAL: LC50 (rabbit) inhalation >2000 mg/Kg.
ACUTE INHALATION: LC50 (rats) >0.035 mg/L for 4 hour aerosol exposure.
OTHER TOXICITY INFORMATION: Warning - May cause skin irritation, avoid skin contact.
Warning - May cause organ damage from repeated ingestion at high doses. Avoid ingestion..

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12. ECOLOGICAL INFORMATION:

The following information is presented in respect of the active ingredient:

Ecotoxic Effects:	Acute Oral LD50 (Chicks) 6000 mg/kg LC50 (96 hr) (Rainbow trout) 5.5 mg/l LC50 (48 hr) (Daphnia) 34.4 mg/l EC50 (Algae) 36.9 mg/l Non-toxic to bees
Environmental Fate:	Biodegradable. DT50 (soil) 30 - 90 days (picloram)
Partition Co-Efficient (Kow):	LogP = 0.15 (low) (picloram)
Environmental Exposure Limit:	None established

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: Not dangerous for transport.

15. REGULATORY INFORMATION:

Approved Handler: Only required when used by a commercial contractor or applied over a waterway.

Tracking: Not required.

Record Keeping: A record must be kept if 3 litres or more are used within 24 hours and it is likely to enter a waterway.

See the ERMA Website for more details: www.ermanz.govt.nz

ERMA Approval Code: HSR000552.

ACVM Pesticide Number: P008214

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.