

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

TANGO

SUPPLIER NAME: Zelam Limited
SUPPLIER CODE: None
SUPPLIER ADDRESS: Hudson Road, Bell Block, New Plymouth, New Zealand
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CHEMICAL FAMILY: pyridine carboxylic acid USE: herbicide

2. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
clopyralid	001702-17-6	<30%	Class 6, 9.
monoethanolamine	141-43-5	<10%	
other proprietry ingredients		<5%	
water	7732-18-5	balance	

3. HAZARDS IDENTIFICATION:

Harmful - may cause skin irritation. Avoid contact with skin.
Harmful - may cause eye irritation. Avoid contact with eyes.
Harmful - may cause skin sensitisation from prolonged skin contact. Avoid skin contact.
Harmful - may cause reproductive/development damage from repeated oral exposure.
Toxic to fish/aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container.
Very Toxic to the soil environment.
Harmful to terrestrial vertebrates [birds].
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 persists.
SKIN CONTACT: Wash with plenty of soap and flowing water. Remove contaminated clothing. Wash clothing before reuse.
INHALATION: Avoid inhalation of spray or mists. Ill effects are unlikely to occur. If ill effects do occur remove the victim to fresh air.
INGESTION: If swallowed, drink several glasses of water. DO NOT induce vomiting. Single dose oral toxicity is low.
NOTES TO DOCTOR: Treat Symptomatically.

5. FIRE FIGHTING MEASURES:

FLASHPOINT: Not applicable.
FLAMMABLE LIMITS: Not applicable.
EXTINGUISHING MEDIA: Foam, Carbon dioxide, Dry chemical or Water spray (fog).
THERMAL DECOMPOSITION PRODUCTS: Hydrogen chloride, nitrogen oxides, under fire conditions. Chlorinated pyridines.
SPECIAL FIRE FIGHTING METHODS: Vapours may be toxic. Self contained breathing apparatus required. Do not allow contaminated run-off to enter drains.
UNUSUAL FIRE OR EXPLOSION HAZARDS: Can react violently with aluminium above 110°C. Avoid contact with aluminium.

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:

Store in a well ventilated place in properly labelled containers. Keep from extreme heat. Store in a well ventilated place in properly labelled containers. Keep from extreme heat and open flames. Make sure the material does not come into contact with aluminium.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EXPOSURE LIMITS: These precautions are suggested for conditions with a high potential exposure. If handling procedures are such that there is only a low potential for exposure, less protection may be needed. Emergency conditions may require additional precautions.
EYE PROTECTION: Wear safety glasses or chemical workers goggles where a splash is likely to occur.
RESPIRATORY PROTECTION: Not normally required.
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 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: Light tan solution.

BOILING POINT:	100 °C.	pH:	6.5 to 8.5.
DENSITY:	1.138.	SETTING POINT:	<0°.
DECOMPOSITION TEMP:	>150°C.	AUTOIGNITION TEMP:	Not Applicable.
FLASHPOINT:	Not Applicable.	VAPOUR DENSITY:	Not Available.
EXPLOSION PROPERTIES:	Not Applicable.	VAPOUR PRESSURE:	0.000012 mm Hg @ 25°C.
SOLUBILITY:	> 300 g/L in water.		
OTHER DATA:			
OCTANOL / WATER PARTITION COEFFICIENT:	-2.55.		

10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID: Temperatures > 150°C.
MATERIALS TO AVOID: Contact with aluminium at elevated temperatures > 110°C.
HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride, nitrogen oxides under fire conditions. Chlorinated pyridine.

11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL: LD50 rat >5000mg/kg.
ACUTE DERMAL: LD50 rabbit >2000mg/kg.
ACUTE INHALATION: LC50 active ingredient rats > 0.38mg/L.
OTHER TOXICITY INFORMATION: 6.3B; Harmful - may cause skin irritation. Avoid contact with skin.
6.4A; Harmful - may cause eye irritation. Avoid contact with eyes.
6.5B; Harmful - may cause skin sensitisation from prolonged skin contact. Avoid skin contact.
6.8B; Harmful - may cause reproductive/development damage from repeated oral exposure.

12. ECOLOGICAL INFORMATION:

9.1B; Toxic to fish/aquatic organisms with long lasting effects. Avoid contamination of any water supply with this product or empty container.
9.2A; Very toxic to the soil environment. Selective herbicide - very toxic to some plant species (certain plants may be killed or damaged from root uptake of this product).
9.3C; Harmful to terrestrial vertebrates [birds]

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 Clopyralid.		

15. REGULATORY INFORMATION:

Approved Handler
An approved handler is required when the substance is applied: a) In a widely dispersive manner. b) By a commercial contractor. c) Directly onto or into the water.
The approved handler must have the product under personal control at all times or it must be locked up. However if an approved handler is present at the facility where the substance is being handled, or the approved handler has provided guidance to the person in respect to the handling of the product and is present at all times a non approved handler may handle the product. The approved handler can be in contact by the use of a cellphone.

Record Keeping.
Record keeping is required if more than 3 Kg is used within 24 hours in a place where the substance is likely to enter air or water and leave the place. The information must be kept for a minimum of three years.

This product DOES NOT have Tracking Requirements.

See the ERMA Website for more details: www.ermanz.govt.nz
ERMA Approval Code: HSR000760.
ACVM Pesticide Number: P005944.

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.