

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

STRATOS

SUPPLIER NAME: Zelam Limited
SUPPLIER CODE: None
SUPPLIER ADDRESS: Hudson Road, Bell Block, New Plymouth, New Zealand
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CHEMICAL FAMILY: Arylamino propionic acid USE: Herbicide

2. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Cyclohexanone	108-94-1	<25 %	
Flamprop-M-isopropyl	63782-90-1	<25 %	
Inerts		Balance	
Xylene	1330-20-7	<45 %	

3. HAZARDS IDENTIFICATION:

Warning - Flammable Liquid and Vapour.
Harmful - may be harmful if swallowed, inhaled or absorbed through the skin.
Harmful - may cause skin irritation. Avoid contact with skin.
Harmful - may cause eye irritation. Avoid contact with eyes.
Harmful - may cause reproductive/development damage from repeated oral exposure.
Harmful - may cause organ [lung] damage from repeated oral exposure at high doses.
Harmful to fish/aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container.
Harmful to the soil environment.
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 or eye specialist attention.
SKIN CONTACT: Wash with plenty of soap and flowing water for at least 15 minutes while removing contaminated clothing. DO NOT scrub the skin. If irritation develops seek medical attention. Wash clothing before reuse.
INHALATION: If inhaled, move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped. Use mouth to nose rather than mouth to mouth. Obtain medical attention.
INGESTION: If swallowed, rinse mouth with water immediately. DO NOT induce vomiting. Seek medical attention.
NOTES TO DOCTOR: No specific antidote. Treat symptomatically. May cause lung damage if swallowed.

5. FIRE FIGHTING MEASURES:

FLASHPOINT: 31 °C HAZCHEM Code: 3 Y
FLAMMABLE LIMITS: Not available
EXTINGUISHING MEDIA: Foam, Carbon dioxide, Dry chemical or Water spray (fog).
THERMAL DECOMPOSITION PRODUCTS: Thermal decomposition may release ammonia, hydrochloric acid, fluoride and oxides of carbon & nitrogen.
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: Combustible Liquid

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: Flammable Liquid; Keep heat and ignition sources away from 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 original container, tightly closed away from foodstuffs. Keep from extreme heat and ignition sources. Wear personal protective equipment appropriate to the situation when handling product.
Harmful - Keep out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EXPOSURE LIMITS: Not established by OSHA.
EYE PROTECTION: Chemical goggles or face shield where splash may occur.
RESPIRATORY PROTECTION: For short term exposure to a small volume of mists or aerosols use a mask and filter eg. Filter A-P2 or a filter canister for organic vapours.
Use self-contained breathing apparatus in the case of fire or during the formation of large volumes of mists or aerosols.
PROTECTIVE CLOTHING: Wear protective clothing such as impervious gloves, overalls and closed footwear when using.
Wash protective clothing daily after work.
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 Brown Liquid
BOILING POINT: Not available pH: 4
DENSITY: 0.95 g/L SETTING POINT: Not available
DECOMPOSITION TEMP: Not available AUTOIGNITION TEMP: Not available
FLASHPOINT: 31 °C VAPOUR DENSITY: 3.66
EXPLOSION PROPERTIES: Not available VAPOUR PRESSURE: 0.8 - 1.2 kPa @ 20 °C
SOLUBILITY: Product emulsifies in water.
OTHER DATA:
OCTANOL / WATER PARTITION COEFFICIENT: Kow logP = 3.69 for Flamprop-M-isopropyl

10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID: Product is stable under normal temperatures and pressures.
MATERIALS TO AVOID: Oxidising agents
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may release ammonia, hydrochloric acid, fluoride and oxides of carbon & nitrogen.

11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL: LD50 Rats: >2400mg/Kg (by calculation)
ACUTE DERMAL:
ACUTE INHALATION:
OTHER TOXICITY INFORMATION: 6.1E; Harmful - may be harmful if swallowed, inhaled or absorbed through the skin.
6.3B; Harmful - may cause skin irritation. Avoid contact with skin.
6.4A; Harmful - may cause eye irritation. Avoid contact with eyes.
6.8B; Harmful - may cause reproductive/development damage from repeated oral exposure.
6.9B; Harmful - may cause organ [lung] damage from repeated oral exposure at high doses.

12. ECOLOGICAL INFORMATION:

9.1C; Harmful to fish/aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container.
9.2D; Harmful to the soil environment.

13. DISPOSAL CONSIDERATIONS:

Triple rinse container and add rinsate to spray tank. Crush or puncture cleaned, empty containers and dispose of container at an approved landfill or Agrecovery Depot. Avoid contamination of any water supply or stream with this product or empty container.

14. TRANSPORT INFORMATION:

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S UN Hazard Class: 3
UN Number: 1993 Packing Group: III
Hazchem Code: 3Y
Additional Information: Contains Xylene, Cyclohexanone & Flamprop-M-isopropyl

15. REGULATORY INFORMATION:

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

ERMA Approval Code: HSR000527
ACVM Pesticide Number: P08051
See the ERMA Website for more details: www.ermanz.govt.nz

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 product's properties.