

AGPRO DIRECT

LIRON

Issue Date: 15 Jul 2020

1. SUBSTANCE IDENTIFICATION:

Liron

SUPPLIER NAME: AGPRO NZ Limited
SUPPLIER CODE: None
SUPPLIER ADDRESS: 10 Polaris Place, East Tamaki, Auckland.
SUPPLIER PHONE: 09 273 3456
SUPPLIER FAX: 09 273 3457
EMERGENCY PHONE: 0800 POISON
CHEMICAL FAMILY: Nitrogen compound - substituted urea
USE: For the selective weed control in Asparagus, Broad beans, carrots, Celery, Grapes, Leeks, Linseed, maize, Onions, parsnips. Pip fruit, Potatoes, Soya beans, Stone fruit and Sweetcorn.

2. HAZARDS IDENTIFICATION:

HAZARD CLASSES: 6.1E: May be harmful if swallowed, inhaled or in contact with the skin.
6.4A: Causes serious eye irritation.
6.8B: Suspected on damage fertility or the unborn child-via route of exposure.
6.9A: May cause organ damage or long term or repeated exposure.
9.1A: Very toxic to aquatic life with long term effects.
9.2A: Very toxic to the soil environment.
9.3B: Toxic to terrestrial vertebrates.

Refer to Section 15 for EPA Requirements.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME	CAS NUMBER	CONCENTRATION
Linuron	330-55-2	450g/L
Wetting Agent, Dispersing Agent, Thickening Agent, Antifoam, Biocide.		<200g/L
Water		up to 100%

4. FIRST - AID MEASURES:

EYE CONTACT: Immediately flush with flowing water for at least 15 minutes. Seek medical attention.
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.
NOTES TO DOCTOR: Treat symptomatically.

5. FIRE FIGHTING MEASURES:

FLASHPOINT: None.
FLAMMABLE LIMITS: None.
EXTINGUISHING MEDIA: Dry chemical, water spray (fog), foam or carbon dioxide.
THERMAL DECOMPOSITION PRODUCTS:
SPECIAL FIRE FIGHTING METHODS: 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 in a cool, well-ventilated place. 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:	No special protection needed.
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.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE / STATE / ODOUR:	White to beige viscous liquid	pH:	5 - 8.
BOILING POINT:	Not Available	SETTING POINT:	Not Available.
DENSITY:	1.12g/mL @ 25°C	AUTOIGNITION TEMP:	Not Applicable.
DECOMPOSITION TEMP:	Not Available.	VAPOUR DENSITY:	Not Available.
FLASHPOINT:	Not Applicable.	VAPOUR PRESSURE:	Not Available.
EXPLOSION PROPERTIES:	Not Applicable.		
SOLUBILITY:	Dispersible Suspension Concentrate.		
OTHER DATA:			
OCTANOL / WATER PARTITION COEFFICIENT:	Not Available.		

10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID:	None.
MATERIALS TO AVOID:	None.
HAZARDOUS DECOMPOSITION PRODUCTS:	None.

11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL:	LD50 (rats) >4000 mg/kg.
ACUTE DERMAL:	
ACUTE INHALATION:	
OTHER TOXICITY INFORMATION:	Warning - May cause skin irritation, avoid skin contact. Warning - May cause eye irritation, avoid contact with eyes.
ACUTE SWALLOWED:	Single dose oral toxicity is slightly toxic. Rat LD ₅₀ > 4000mg/kg.
EYE:	No more than slightly irritating.
SKIN:	No more than slightly irritating.
INHALED:	May cause organ damage from prolonged or repeated exposure.
CHRONIC:	Not available.

12. ECOLOGICAL INFORMATION:

AQUATIC TOXICITY:	Very toxic to aquatic life with long lasting effects.
SOIL TOXICITY:	Very Toxic to the soil environment.

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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. Do not contaminate streams, rivers or waterways with the chemical or the used container.

14. TRANSPORT INFORMATION:

PROPER SHIPPING NAME:	Environmentally Hazardous Substance, Liquid, NOS (Linuron 45%).
DG CLASS:	9
UN NUMBER:	3082
HAZCHEM:	2X
PACK GROUP:	III

15. REGULATORY INFORMATION:

APPROVED HANDLER:	This product must be under the control of an approved handler when used in a wide dispersive manner or by a contractor.
See the ERMA Website for more details:	www.ermanz.govt.nz
ERMA Approval Code:	HSR100376
ACVM Pesticide Number:	P009494

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.