

Flowfert N

Revised: 12/03/2020

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name:	Flowfert N
Product Code:	7501000
Recommended Use:	Liquid fertiliser solution
Company Identification:	Ravensdown Limited
Address:	292 Main South Road Hornby Christchurch
Customer Centre:	0800 100 123
National Poisons Information Centre:	0800 POISON (0800 764 766)
Emergency Telephone Number:	0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)
Transport Emergency Phone:	IN AN EMERGENCY, DIAL 111 – FIRE or POLICE

Section 2: HAZARD IDENTIFICATION

Hazard Classifications:	6.1D, 6.3B, 6.4A, 9.3C
Priority Identifiers:	DANGER HARMFUL KEEP OUT OF REACH OF CHILDREN
Secondary Identifiers:	6.1D = May be harmful if swallowed, inhaled or absorbed through the skin 6.3B = Mildly irritating to the skin 6.4A = May cause eye irritation 9.3C = Harmful to terrestrial vertebrates

Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Urea	57-13-6	39%*
Water	7732-18-5	to 100 percent

* w/v

Section 4: FIRST AID MEASURES

Inhalation:	Remove patient to fresh air and keep at rest in a position comfortable for breathing.
Ingestion:	If swallowed rinse mouth but DO NOT induce vomiting.
Skin:	Remove contaminated clothing then wash affected area thoroughly with soap and water.
Eye:	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes.
First Aid Measures:	Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning. Never give anything by mouth to an unconscious person.

Section 5: FIRE FIGHTING MEASURES

Flash Point:	N/A (Non-flammable)
Combustion Products:	Ammonia, carbon oxides, nitrogen oxides
Flash Point:	Not applicable
Extinguishing Media:	Not applicable
Protective Equipment:	Not applicable
HAZCHEM Code:	None allocated

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Wear appropriate protective clothing. Exclude non-essential people from the area. Contain spill; mop up or pump into containment as soon as possible.
Protective Clothing:	For appropriate personal protective equipment see section 8.
Environmental Precaution:	Prevent from entering drains, waterways or sewers.

Section 7: HANDLING AND STORAGE

Handling:	Keep out of reach of children. Avoid contact with skin, eyes and inhalation. Approved Handler: Not required Tracking: Not required
Storage:	Store in container tightly closed and in a secure area.
Other Information:	Wash hands thoroughly after use. Do not eat, drink or smoke whilst using this product.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits:	N/A
Protective Equipment:	Overalls, goggles, gloves, dust masks
Engineering Controls:	None required under normal conditions
Hygiene Precautions:	Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid
Odour:	Odourless
Specific Gravity:	1.12
pH:	7.8
Solubility in Water:	100%
Flash Point:	N/A
Melting Point:	N/A
Other Information:	

Section 10: STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of use and storage.
Hazardous Polymerisation:	Hazardous polymerisation not known to occur.
Hazardous Decomposition Products:	N/A
Conditions to Avoid:	Strong heat, moisture
Materials to Avoid:	Solid urea with react with hypochlorites and perchlorates

Section 11: TOXICOLOGICAL INFORMATION

ERMA Classifications:	6.1D, 6.3B, 6.4A, 9.3C
Ingestion:	Ingestion of large quantities may lead to nausea, vomiting, inflammation of mucous membranes, stomach ulceration, cold sweats, pulse depression and leg cramps.
Inhalation:	N/A
Skin:	Irritant. May cause irritation, redness, itching and pain.
Eye:	Irritant. Contact may result in irritation, lachrymation, pain and redness
Health Hazard Summary:	Low toxicity. Under normal conditions of use adverse health effects are not anticipated. This product is generally considered to be of low toxicity.
Toxicity Data:	(For solid urea) LD ₅₀ (Ingestion): 8471 mg/kg (rat) LD ₅₀ (Intraperitoneal): > 5000 mg/kg (rat) LD ₅₀ (Dermal): 8200 mg/kg (rat) LD ₅₀ (Subcutaneous): 8200 mg/kg (rat)

Section 12: ECOLOGICAL INFORMATION

ERMA Classifications:	9.3C
Ecotoxicity:	Harmful to terrestrial vertebrates
Bioaccumulation:	Unlikely to bio-accumulate.

Section 13: DISPOSAL INFORMATION

Product Disposal:	Dispose of product only by using according to label or at an approved landfill
Container Disposal:	Burn container in an appropriate incinerator if circumstance, such as wind direction permit. Otherwise bury in an approved landfill. Do not use container for any other purpose.

Section 14: TRANSPORT INFORMATION

UN Number:	None allocated
Proper Shipping Name:	None allocated
No special transport requirements necessary	

Section 15: REGULATORY INFORMATION

ERMA:	Approved pursuant to the HSNO Act 1996, Approval number HSR002808 (Urea) See www.epa.govt.nz for approval controls.
Location certificate:	Not required
Tracking:	Not required
Approved handlers:	Not required

Section 16: OTHER INFORMATION

This SDS supersedes all previous versions and was reviewed to include HSNO requirements.

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.