

Safety Data Sheet

Lancer® 750DF

1) Identification of Substance:	
Product name:	Lancer 750DF
Active Ingredient(s):	ACEPHATE 750g/KG
ACVM Approval:	P6086
EPA Approval:	HSR000155
Distributed by:	Adria Crop Protection P.O. Box 535' Kumeu 0841, Auckland Ph: 09-412-9817 Fax: 09-412-9807 www.adria.nz
Emergency Number: National Poisons and Hazchem Information Centre	0800 734 607 (24hr)3 0800 POISON (0800 764 766)
2) Hazards Identification:	
	
HSNO Classifications:	6.1D (O), 6.8B, 6.9A, 9.1D, 9.3B, 9.4A
Signal Word:	Danger
Hazard Statement Codes:	
H302	Harmful if swallowed.
H361	Suspected of damaging fertility or the unborn child.
H370/H372	Causes damage to organs through single, prolonged or repeated exposure.
H413	May cause long lasting harmful effects to aquatic life.
H432	Toxic to terrestrial vertebrates.
H441	Very toxic to terrestrial invertebrates.
Prevention Statement Codes:	
P102	Keep out of reach of children.

P103	Read label before use.
P264	Wash entire body thoroughly after handling.
P260	Do not breath mist, vapours or spray.
P270	Do not eat, drink, or smoke when using this product.
P201/P202/P281	Suspected teratogen. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.
P273	Avoid release to the environment
Response Statement Codes:	
P101	If medical advice is needed, have product container or label at hand.
P301 + P312/P330	IF SWALLOWED: Call a POISON CENTRE or a doctor/physician if you feel unwell. Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P305 + P351 + P338	IF exposed or concerned or if you feel unwell: Call a POISON CENTRE or a doctor/physician.
P308 + P313/P307 + P311/P314	Collect spillage.
P391	
Storage Statement Codes:	
P405	Store locked up.

3) Composition Details:

Chemical identity:	Acephate	
Chemical identity of ingredients	CAS No.:	Content (%w/v)
Acephate	30560-19-1	75
Other non-hazardous ingredients	N/A	To 100%

4) First Aid Measures:

General Information:	Atropine tablets 0.6mg should be available in the area where this product is used, or in a nearby unlocked medicine cabinet.
Ingestion:	If swallowed do NOT induce vomiting. Rinse mouth. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. Give

	atropine tablets as above. Get to a doctor or hospital quickly.
Skin contact:	If anticholinesterase poisoning develops, see above for instructions and act on them immediately. If product gets on skin, wash skin to remove material. If poisoned by skin absorption or through lungs, remove any contaminated clothing, wash skin thoroughly and give atropine tablets as above. Get to a doctor or hospital quickly.
Eye contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Inhalation:	If anticholinesterase poisoning develops, see above for instructions and act on them immediately. No first aid measures normally required. However, if dusts or vapour or spray mist have been inhaled, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.
Note to Physician:	Contains a cholinesterase inhibitor. Atropine treatment may be required or treat with up to 10mg of IV diazepam. Curare therapy is contraindicated. Treat pulmonary pneumonitis secondary to pulmonary oedema. Do not give adrenergic amines, aminophylline, succinylcholine, phenothiazines or reserpine alkaloids or oils.
5) Fire-Fighting Measures:	
Flammable Class	There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.
Flashpoint	Not flammable.
Flammability limits	Not applicable. This product is not flammable.
Extinguishing Media:	Carbon dioxide, dry chemical, foam, water fog.
Special Fire Fighting procedures:	If a significant quantity of this product is involved in a fire, call the fire brigade. Immediately evacuate the area of unnecessary personnel. When fighting fires involving significant quantities of this product, wear safety boots, non-flammable overalls, gloves, hat, goggles and self-contained breathing apparatus. All skin areas should be covered.
Unusual Fire & Explosion Hazards:	Fire decomposition products from this product may form toxic and corrosive mixtures in confined spaces. This product may form flammable or explosive dust clouds in air.
Hazchem Code:	2X

6) Accidental Release Measures:	
Spills & Disposals	In the event of a major spill, prevent spillage from entering drains or water courses. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. Immediately call the Fire Brigade. Wear full protective clothing including face mask, face shield and gauntlets. All skin areas should be covered. Thoroughly launder protective clothing before storage or re-use. Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labeled containers for recycling or salvage. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this SDS and the label, instructions on the label prevail. Dispose of only in accord with all regulations. Advise laundry of nature of contamination when sending contaminated clothing to laundry.
7) Handling & Storage:	
Handling:	Apply using calibrated and maintained equipment in accordance with the NZ Standard for the Management of Agrichemicals (NZS8409). Lancer must be applied via ground-based methods only. METHOD RESTRICTIONS: This product cannot be applied indoors with high pressure handgun spray equipment. PERSONAL PROTECTIVE (PPE) AND RESPIRATORY PROTECTIVE EQUIPMENT (RPE) refer to section 8: Avoid contact with eyes and skin. Avoid inhalation of vapour or spray mist. When mixing or applying, wear chemical resistant overalls, chemical resistant boots and gloves, chemical resistant footwear plus socks, chemical resistant head gear, eye protection and respirator (organic vapour and particulate matter). Clean protective clothing daily after work. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work. Avoid handling, mixing or use of the product or container near heat, flame or other source of ignition. Do not use near air vents or ducts. Apply with well-maintained and calibrated spray equipment.
Spray Drift	The person applying the substance must not cause adverse effects beyond the boundary of the treated property, and must also avoid adverse effects from spray drift occurring. Mitigation measures employed must be recorded as part of the application records.
Spray Notification	Notification is only required for outdoor use, and when used in a wide dispersive manner. The person applying the substance in this situation must: <ul style="list-style-type: none"> - Give written notice to anyone likely to be directly affected (such as owners and occupiers of land,

	<p>property, buildings or houses immediately next to the application area).</p> <ul style="list-style-type: none"> - Ensure the notification is given at least 2 working days before, but no more than 4 weeks before, each application of the product. - Ensure the written notice includes: <ul style="list-style-type: none"> a) Where the product will be applied; b) The date and approximate duration of each application; c) The steps that notified parties should take to avoid exposure; d) The name of the organisation(s) applying the product; e) Contact details for the person in charge of the application (phone, email or postal address, including a contact number for immediate contact during application).
Restricted Entry Interval (REI)	<p>The REI is 24 hours. The person in charge is responsible for making sure no person enters the application area before the end of the REI. A person may only enter the indoor treated area if PPE and RPE is worn as if they were applying the substance, and they are entering to carry out tasks associated with the ventilation of the building or building structure.</p>
General	<p>When using, do not eat or drink. Keep locked away in a dry place out of the reach of children. Observe all relevant regulations regarding sale, transport and storage of this class of product. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure that the product does not come into contact with substances listed under "Materials to avoid" below. Keep away from food, drink and animal feedstuffs. No eating, drinking or smoking during use. Wash hands and face before breaks and after work. Females of childbearing age should not come into contact with the product. They should wear or use personal protective equipment as required.</p>
<p>8) Exposure Control / Personal Protection:</p>	
Engineering Controls	<p>In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high; you are advised to modify the process or environment to reduce the problem.</p>
Respiratory protection	<p>The use of a respirator is required when mixing or spraying (organic vapour and particulate matter).</p>
Hand protection	<p>When mixing or applying, wear chemical resistant overalls, chemical resistant boots and gloves, chemical resistant footwear plus socks, chemical resistant head gear, eye protection.</p>

Skin protection	Impervious protective clothing should be worn – as above.
Eye protection	Protective eyewear or protection is required.
Safety Boots	Wearing safety boots in industrial situations is advisory. Consult AS/NZS2210 for advice on Occupational Protective Footwear.
General hygiene	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using. Females of childbearing age should not come into contact with the product. They should wear or use personal protective equipment as required.

9) Physical & Chemical Properties:

Physical state at 20 °C:	Powder
Colour:	White
Odour:	Almost odourless
Melting point/boiling point:	No data
Density:	-
Volatile materials	No specific data. Expected to be low at 100°C.
pH:	-
Flash point [°C]:	Not flammable
Specific gravity:	No data
Explosive Limits:	-
Corrosiveness:	Not corrosive.
Solubility in water	Disperses and dissolves readily.

10) Stability & Reactivity:

Stability:	This product is unlikely to spontaneously decompose.
Polymerisation:	This product is unlikely to spontaneously polymerise.
Decomposition Products	Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Oxides of sulphur (sulphur dioxide is a respiratory hazard). Oxides of phosphorus. Water.
Materials to avoid	Strong oxidising agents.

11) Toxicological Information:

Acute toxicity
LD₅₀ Oral (Rat) = 945-866mg/kg
LD₅₀ Oral (Mouse) = 361mg/kg
LD₅₀ Oral (Dog) = >681mg/kg
LD₅₀ Dermal (Rabbit) = >2000mg/kg
LC₅₀ Inhalation (Rat) =>15mg/L/4hr

12) Ecological Information:

Ecological effects information:	May cause long lasting harmful effects to aquatic life. Toxic to terrestrial vertebrates and very toxic to terrestrial invertebrates. Avoid contamination of any water supply with chemical or empty packaging.
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Bee Toxicity:	THIS PRODUCT IS VERY TOXIC TO BEES. Do not apply this product to any plant or tree likely to be visited by bees: f) At the time of application; or g) Immediately after application until spray has dried; or In areas where bees are foraging.
13) Disposal Considerations:	
Disposal:	Dispose of empty packaging safely. Burn, if circumstances, especially wind direction permit, otherwise bury in landfill. Avoid contamination of any water supply with chemical or empty packaging.
14) Transportation Information:	
Rail/road (RID/ADR):	Not considered as dangerous goods for transportation. Hazchem Code: 2X
Sea (IMDG code):	
Air (ICAO/IATA):	
15) Regulatory Information:	
Approved handlers and Tracking:	This product must be under the care of a certified handler at all times. A record must be kept of the use and disposal of this product. Tracking is required.
ACVM controls:	See www.foodsafety.govt.nz for registration conditions.
16) Other Information	
<p>For proper and safe use of this product, please refer to the approval conditions laid down on the product label.</p> <p>The data contained in this safety data sheet is based on our current knowledge and describes the product only with regard to safety requirements. The data does not describe the product's properties. Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any existing laws and legislation are observed</p>	