

# Safety Data Sheet

## Lancer<sup>®</sup> 750DF

Date of issue: 30<sup>th</sup> March, 2011

<b>1) Identification of Substance:</b>	
Product name:	Lancer 750DF
Active Ingredient(s):	ACEPHATE 750g/KG
ACVM Approval:	P6086
ERMA Approval:	HSR000155
Distributed by:	Adria Crop Protection P.O. Box 535 Kumeu 1250, Auckland Ph: 09-412-9817 Fax: 09-412-9807 <a href="http://www.adriacp.co.nz">www.adriacp.co.nz</a>
Emergency Number:	National Poisons Centre 0800 POISON 0800 764 766
<b>2) Hazards Identification:</b>	
HSNO Classifications:	6.1D, 6.7B, 6.8B, 6.9A, 9.1D, 9.3B, 9.4A
Risk Phrases	Harmful if swallowed.
Environmental hazard	Harmful to the aquatic environment. Avoid contamination of any water supply with chemical or empty packaging. Toxic to bees.
Health effects	Presumed to be a human carcinogen and may cause reproductive/developmental and internal organ damage from repeated oral exposure. Harmful if swallowed or inhaled, and may cause skin and eye irritation. Cholinesterase inhibitors are typically rapidly metabolised and excreted, and as a result, do not accumulate in the body. However, repeated minor exposure may have a cumulative poisoning effect because of the chemical nature of the poisoning.

<p>Symptoms relating to use</p> <ul style="list-style-type: none"> <li>- Inhalation</li> <li>- Skin contact</li> <li>- Eye contact</li> <li>- Ingestion</li> </ul>	<p>Acute overexposure to organophosphates degrades acetylcholinesterase in the tissues. This typically leads to headache, dizziness, weakness, shaking, nausea, stomach cramps, diarrhoea and sweating.</p> <p>Data suggests that this product should present no significant problems to typical persons in normal use.</p> <p>May cause skin irritation.</p> <p>May cause eye irritation</p> <p>Data suggests that this product is harmful if swallowed and may cause reproductive and internal organ damage.</p>
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### 3) Composition Details:

Chemical identity:	Acephate	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Acephate	30560-19-1	75
Other non hazardous ingredients	secret	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.
FIRST AID	If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. 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.
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. No further measures should normally be required.
Eye contact:	If product gets in eyes, wash eyes to remove material. No further measures should normally be required.
Inhalation:	If anticholinesterase poisoning develops, see above for instructions and act on them immediately. No first aid measures normally required. However, if vapours or dusts 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:	This product 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.
<b>5) Fire-Fighting Measures:</b>	
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.
<b>6) Accidental Release Measures:</b>	
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. See above under Personal Protection regarding Australian Standards relating to personal protective equipment. 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

	<p>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 MSDS 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.</p>
<b>7) Handling &amp; Storage:</b>	
General	<p>When using, do not eat or drink. Keep locked away in a dry place out of the reach of children. This product is a S6 Poison. 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.</p>
<b>8) Exposure Control / Personal Protection:</b>	
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>
<b><u>Personal protection</u></b>	
- Respiratory protection	<p>If the product is being used in dusty or confined conditions, use of a mask or respirator may be preferred. For help in selecting suitable equipment, consult AS/NZS 1715.</p>
- Hand protection	<p>Protective gloves are recommended - use nitrile or other suitable gloves.</p>
- Skin protection	<p>Impervious protective clothing should be worn.</p>
- Eye protection	<p>Protective eyewear is not normally necessary when using this product. However, it is always prudent to use protective eyewear. Consult AS1336 and AS/NZS 1337 for advice on Industrial Eye Protection.</p>

- 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.
<b>9) Physical &amp; Chemical Properties:</b>	
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.
<b>10) Stability &amp; Reactivity:</b>	
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.
<b>11) Toxicological Information:</b>	
Acute toxicity LD <sub>50</sub> Oral (Rat) = 945-866mg/kg LD <sub>50</sub> Oral (Mouse) = 361mg/kg LD <sub>50</sub> Oral (Dog) = >681mg/kg LD <sub>50</sub> Dermal (Rabbit) = >2000mg/kg LC <sub>50</sub> Inhalation (Rat) =>15mg/L/4hr	
<b>12) Ecological Information:</b>	
Ecological effects information	Harmful to the aquatic environment. Avoid contamination of any water supply with chemical or empty packaging. Toxic to bees.
<b>13) Disposal Considerations:</b>	
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.

<b>14) Transportation Information:</b>	
Rail/road (RID/ADR):	<p>ORGANOPHOSPHATE, PESTICIDE, POWDER, (ACEPHATE)            Class: 6.1            Packaging Group II            UN: 2783</p> 
Sea (IMDG code):	<p>ORGANOPHOSPHATE, PESTICIDE, POWDER, (ACEPHATE)            Class: 6.1            Packaging Group II            UN: 2783            Marine Pollutant</p> 
Air (ICAO/IATA):	<p>ORGANOPHOSPHATE, PESTICIDE, POWDER, (ACEPHATE)            Class: 6.1            Packaging Group II            UN: 2783</p> 
<b>15) Regulatory Information:</b>	
Approved handlers:	This product must be under the care of an approved handler during use.
Tracking:	Yes.
ACVM controls:	See <a href="http://www.nzfsa.govt.nz/acvm/">www.nzfsa.govt.nz/acvm/</a> for registration conditions.

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