

CAUTION
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

MACSPRED ACIDIFIER SURFACTANT

ACTIVE CONSTITUENTS: 350 g/L SOYAL PHOSPHOLIPIDS
 350 g/L PROPIONIC ACID

**An acidifying and penetrating surfactant
Reduces Alkaline Hydrolysis of Dimethoate
Assists in Uptake of Foliar Fertilisers
Assists in Management of Spray Droplet Size**

Contents: 1, 5, 20, 110, 200, 1000L

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DIRECTIONS FOR USE

RESTRAINT:

DO NOT use with copper products.

RATES OF APPLICATION

Situation	Rate per 100L	Critical Comments
Addition to herbicides to improve spreading and penetration. Glyphosate, 2,4-D, MCPA, Metsulfuron-methyl	250-500mL	Use high rate on stressed or difficult to control weeds.
Reduction of pH to reduce alkaline hydrolysis. Dimethoate	100mL	Add to water in spray tank before adding Dimethoate
To improve uptake of foliar fertilizers	300-500mL	Tank mixing with other agricultural chemicals may increase the potential for crop damage – check with the supplier.
Assistance in droplet size management to partially reduce the number of fine droplets produced from hydraulic nozzles by air and ground.	300 – 500mL	Helps reduce the number of fine droplets. Macspred Acidifier Surfactant will reduce the fine droplets associated with, but not eliminate, off target movement. This is contingent upon good agricultural spraying practice and appropriate nozzle choice. Refer to Macspred representative for further advice.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

GENERAL INSTRUCTIONS

Macspred Acidifer Surfactant can be used where the addition of a wetter/spreader or self emulsifying oil is required or recommended on the agricultural chemical label.

Penetration and Wetter: Macspred Acidifer Surfactant is a multi-purpose adjuvant composed of natural surfactants and penetrants derived from soybeans oils. These are combined with propionic acid to produce a penetrant, surfactant, acidifier for use with herbicides, insecticides, fungicides, foliar fertilizers and plant growth regulators. The unique properties of Macspred Acidifer Surfactant enhance the uptake of many systemic herbicides, allowing them to effectively penetrate into leaves, without causing damage to non-target crop plants.

Acidification: Macspred Acidifer Surfactant also acts as an acidifier which will reduce pH in most cases to between 4 and 5. This reduces losses due to alkaline hydrolysis and also assists with the uptake of weak acid herbicides.

Droplet size management: Macspred Acidifer Surfactant will reduce the number of fine droplets (< 150 micron) produced by flat fan nozzles, without increasing the number of large spray droplets (> 400 micron). Macspred Acidifer Surfactant will reduce the fine droplets associated with, but not eliminate, off target movement of the pesticide being used.

This is contingent upon good agricultural spraying practice and appropriate nozzle choice.

Do not use in situations that are conducive to drift. Refer to Macspred representative for further advice and stewardship.

MIXING INSTRUCTIONS

Half fill the spray tank with water and commence agitation. Add the required amount of Macspred Acidifer Surfactant, then add the recommended quantity of herbicide, insecticide or foliar fertiliser. Continue agitation while topping up the tank to the correct volume and during spraying.

Do not use with copper products.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DANGEROUS TO FISH. DO NOT contaminate streams, rivers or waterways with the chemical or used container.

STORAGE AND DISPOSAL

Keep out of reach of children. Store in the closed, original container in a cool well-ventilated area. Do not store for prolonged periods in direct sunlight.

Triple-rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point.

If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility.

If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

For refillable containers: Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SAFETY DIRECTIONS

Avoid contact with eyes and skin. Wash hands after use.

FIRST AID

If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone Australia 131126.

If in eyes, hold eyes open, flood with water for at least 15 minutes and see a Doctor.

SAFETY DATA SHEET

For further information, refer to the Material Safety Data Sheet (SDS), which is available from the supplier.

NOTICE TO BUYER

To the extent permitted by law all conditions and warranties and statutory or other rights of action which buyer or any other user may have against Macspred or Seller is hereby excluded. Macspred hereby gives notice to buyer and other users that it will not accept responsibility for any indirect or consequential loss arising from reliance on product information or advice provided by Macspred or on its behalf unless it is established that such information or advice was provided negligently and that the product has been used strictly as directed. Macspred's liability shall in all circumstances be limited to replacement of the product or a refund of the purchase price paid therefore.

APVMA Approval No: 81556/103351

Batch No:

Date of Manufacture: