

DANGER

**KEEP OUT OF REACH OF CHILDREN
CORROSIVE
ECOTOXIC**



**RAIZER[®] 700
SURFACTANT**

*Acidifying and penetrating surfactant
Reduces alkaline hydrolysis of Dimethoate
Assists with uptake of foliar fertilizers
Assists in management of spray droplet size*

READ THE ATTACHED BOOKLET COMPLETELY BEFORE MIXING OR APPLYING

Active Ingredients:

Contains 350g/L SOYAL PHOSPHOLIDS and 350g/L PROPIONIC ACID

Adama New Zealand Limited
Level 1, 93 Bolt Road
Tahunanui, Nelson 7011
PO Box 1799, Nelson 7040
New Zealand
Telephone 03 543 8275
www.adama.com

NET CONTENTS
1 L, 5 L, 20 L,
110 L, 200 L,
1000 L

ADAMA

REFER TO BOOKLET FOR FULL LABEL INSTRUCTIONS.**HAZARD CLASSIFICATIONS 6.1D, 8.2B, 8.3A, 9.1B, 9.3B****ACUTE TOXIC****CORROSIVE (SKIN/EYE)****ECOTOXIC****PCBU RESPONSIBILITIES**

A PCBU with management or control of work using this substance must ensure that every worker who uses, handles, manufactures, or stores this hazardous substance (including hazardous waste) is, before the worker is allowed to carry out or supervise work involving those substances, provided with adequate information, training and instruction. This includes the use of personal protective equipment to be used to minimise risks to the health and safety of workers when carrying out work using this substance.

TOXICITY**DANGER**

Causes severe skin burns and serious eye damage.

WARNING

Harmful if swallowed, in contact with skin or inhaled.

ECOTOXICITY

Toxic to fish and other aquatic organisms with long-lasting effects. Do not apply onto or into water. Avoid contamination of any water supply with product or empty container.

Toxic to terrestrial vertebrates.

HANDLING PRECAUTIONS

Keep out of reach of children.

Do not eat, drink or smoke while using.

Avoid breathing spray mist or vapours.

Use only outdoors or in a well-ventilated area.

Wear protective clothing as described in the personal protection section of this label.

EQUIPMENT

A PCBU with management or control of work using this substance must ensure that equipment used to handle this substance retains the substance, without leakage, at all of the temperatures and pressures at which the equipment is to be used; and dispenses or applies the substance, without leakage, at a rate and in a manner that the equipment is designed for. The PCBU must ensure that the equipment is accompanied by documentation that is readily available and readily understandable about the use and maintenance of the equipment.

STORAGE

Store locked up in the original, unopened container in a cool, dry place, out of direct sunlight and away from stockfeed, seeds, fertilisers or foodstuffs.

There are requirements when storing this product in a workplace, relating to labelling, safety data sheets, stationary container systems, separation distances, secondary containment, emergency response plans, and signage; and in a place other than a workplace, relating to stationary container systems, separation distances, emergency response plans, secondary containment, and signage.

Secondary containment and emergency response plans are required where greater than 1000 L of this product are stored. Refer to the product SDS for further information.

TRANSPORT

Do not carry packs greater than 1 L on a passenger service vehicle.

PERSONAL PROTECTION

When mixing or applying wear appropriate protective clothing including cotton overalls buttoned to the neck and wrist, chemical resistant boots and gloves, and eye/face protection such as face shield. Remove protective clothing and wash hands, arms and face with soap and water before meals and after work.

SPILLAGE

Exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Wear appropriate protective clothing as in the personal protection section of this label to clean up spills. Absorb liquid spills with an inert material (such as vermiculite, earth, sand or synthetic absorbent substance) and place in waste containers. Wash area with water and alkaline detergent. Then absorb any remaining liquid with further inert material. Dispose of the waste safely in an approved landfill.

DISPOSAL

Container Disposal - Triple rinse empty container and add rinsate to spray tank. Submit clean empty

container to an Agrecovery® depot for recycling. Alternatively, burn in an appropriate incinerator if circumstances such as wind direction permit or puncture and bury in a suitable landfill. Avoid contamination of any water supply with product or empty container.

Product Disposal - Dispose of this product only by using according to the label or through the Agrecovery® Chemical Recovery service or other approved facility.

FIRST AID

If medical advice is needed, have product container or label at hand.

For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTRE or doctor if you feel unwell.

IF ON SKIN: Immediately remove all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTRE or doctor if you feel unwell. Wash contaminated clothing before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTRE or doctor.

CONDITIONS OF SALE

Adama New Zealand Limited will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than the responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by the Statutes applicable to the sale and supply of these goods. To the extent allowed by such Statutes the liability of Adama New Zealand Limited is limited to the replacement of the goods or (at the option of Adama New Zealand Limited) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to Adama New Zealand Limited within thirty days of delivery.



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Approved pursuant to the HSNO Act 1996, Approval No. HSR002491
See www.epa.govt.nz for approval controls

Raizer is a registered trademark of an ADAMA Group Company.



EMERGENCY RESPONSE
(All hours)
Ring from anywhere in New Zealand
0800 734 607

In a Transport
Emergency
Phone 111
Police or Fire

Label

Batch Number:
Date of Manufacture:

Bar code to be inserted

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SAFETY DATA SHEET

A Safety Data Sheet for this product is available from Adama New Zealand Limited on request. Call 03 543 8275.

GENERAL INFORMATION

RAIZER 700 SURFACTANT is a multipurpose adjuvant. It is composed of natural surfactants and penetrants derived from soybean oils. These are combined with propionic acid to produce a penetrant, surfactant and acidifier for use with herbicides, insecticides, fungicides, foliar fertilizers and plant growth regulators. The unique properties of RAIZER 700 SURFACTANT enhance the uptake of many systemic herbicides, allowing them to effectively penetrate into leaves without causing damage to non-target crop plants.

RAIZER 700 SURFACTANT can be used where the addition of a wetter/spreader or self-emulsifying oil is required or recommended on the agricultural chemical label. **Do NOT use with copper products.**

RAIZER 700 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.

RAIZER 700 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). RAIZER 700 SURFACTANT will reduce, but not eliminate, the fine droplets associated with 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 an ADAMA representative for further advice and stewardship.

DIRECTIONS FOR USE

TAKE ALL REASONABLE STEPS TO ENSURE THAT THE SUBSTANCE DOES NOT CAUSE ANY SIGNIFICANT ADVERSE EFFECTS TO THE ENVIRONMENT BEYOND THE APPLICATION AREA. THIS INCLUDES ENSURING NON-TARGET TERRESTRIAL VERTEBRATES ARE NOT ADVERSELY AFFECTED BY THE SUBSTANCE.

SITUATION	RATE	CRITICAL COMMENTS
Addition to herbicides to improve spreading and penetration. Glyphosate, 2,4-D, MCPA, metsulfuron-methyl	250-500 mL/100 L	Use higher rate on stressed or difficult to wet weeds.
Reduction of pH to reduce alkaline hydrolysis. Dimethoate	100 mL/100 L	Add to water in spray tank before adding Dimethoate.
To improve uptake of foliar fertilizers	300-500 mL/100 L	Tank-mixing with other agricultural chemicals may increase the potential for crop damage – check with supplier.
Assistance in droplet size management to partially reduce the number of fine droplets produced from hydraulic nozzles by air and ground	300-500 mL/100 L	Helps to reduce the number of fine droplets. RAIZER 700 SURFACTANT will reduce, but not eliminate, the fine droplets associated with off-target movement. This is contingent upon good agricultural spraying practice and appropriate nozzle choice. Refer to an ADAMA representative for further advice and stewardship.

MIXING

Half fill the spray tank with water and commence agitation. Add the required quantity of RAIZER 700 SURFACTANT. Then add the recommended quantity of herbicide, insecticide, fungicide or foliar fertilizer. Continue agitation while topping up the tank and during spraying. **Do NOT use with copper products.**

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