

CAUTION

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



Manta Ray

SURFACTANT

ACTIVE CONSTITUENTS:

350 g/L SOYAL PHOSPHOLIPIDS

350 g/L PROPIONIC ACID

Multi purpose aquatic approved penetrating surfactant for use with herbicides, insecticides, foliar fertilisers and plant growth regulators.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE OPENING OR USING



Indigo Specialty Products Pty Ltd

ABN 15 631 459 660
3/49 Donaldson Road,
Rocklea QLD 4106
Ph: 0402 735 887

Distributed by



Contents
5 L



Manta Ray

SURFACTANT

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, 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/designated collection point for refill or storage.

SAFETY DIRECTIONS

Will damage eyes. Will irritate the skin. Avoid contact with eyes and skin. When using together with other products, consult their label safety directions. When opening the container and preparing the spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical resistant gloves and face shield. Wash hands after use. After each day's use, wash gloves, face shield and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766. If swallowed, do NOT induce vomiting. If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

SDS

Additional information is listed in the safety data sheet (SDS). A safety data sheet for ProForce MANTA RAY Surfactant is available from Indigo Specialty Products Pty Ltd on request.

CONDITIONS OF SALE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. No warranty (other than non-excludable statutory warranties) of merchantability or fitness for a particular purpose, express or implied, extends to the use of the product contrary to label instructions, or under off-label permits not endorsed by Indigo Specialty Products Pty Ltd or under abnormal conditions. Indigo Specialty Products Pty Ltd accepts no liability for any loss or damage arising from incorrect storage, handling or use.

	<p>IN A TRANSPORT EMERGENCY DIAL 000 POLICE OR FIRE BRIGADE</p>
	<p>SPECIALIST ADVICE IN AN EMERGENCY ONLY 0417 653 654 ALL HOURS – AUSTRALIA WIDE</p>



5L

Batch No.

Date of
Manufacture

APVMA Approval No.: 89880/13327



Manta Ray

SURFACTANT

DIRECTIONS FOR USE

RESTRAINTS

DO NOT use with copper products.

For PROFESSIONAL use only.

SITUATION	RATE/100 L	CRITICAL COMMENTS
Addition to herbicides, insecticides, fungicides and plant growth regulators to improve spreading and penetration.	250 – 500 mL	Use high rate on stressed or difficult to control weeds.
Reduction of pH to reduce alkaline hydrolysis.	100 mL	Add to water in spray tank before adding tank mix partner.
To improve uptake of foliar fertilisers	300 – 500 mL	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	Helps to reduce the number of fine droplets. MANTA RAY 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 Indigo Specialty Products representative for further advice and stewardship.

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

GENERAL INSTRUCTIONS

ProForce MANTA RAY 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

MANTA RAY is a multipurpose aquatic friendly adjuvant which is composed of natural surfactants and penetrants derived from soybean 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 MANTA RAY enhance the uptake of many systemic herbicides, allowing them to effectively penetrate into leaves, without causing damage to non-target crop plants.

ACIDIFICATION

MANTA RAY 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

MANTA RAY will reduce the number of fine droplets (<150 micron) produced by flat fan nozzles, without increasing the number of large spray droplets (>400 micron). MANTA RAY 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 Indigo Specialty Products representative for further advice and stewardship.

MIXING

Half fill the spray tank with water and commence agitation. Add the required quantity of MANTA RAY then add the recommended quantity of herbicide, insecticide or foliar fertilizer. Continue agitation while topping up the tank and during spraying.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Avoid contaminating wetlands or watercourses with this product or used containers. When controlling weeds in aquatic situations, refer to label directions to minimise the entry of spray into the water.

STORAGE AND DISPOSAL

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APVMA Approval No.: 89880/133277

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IMPORTANT: THIS LEAFLET IS PART OF THE LABEL ATTACHED TO THE CONTAINER. READ THOROUGHLY BEFORE OPENING OR USING THIS PRODUCT.

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SPECIALTY PRODUCTS