

CAUTION

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

Rygel ProBuffer 700 Surfactant

Active Constituent: 350g/L SOYAL PHOSPHOLIPIDS & 350g/L PROPIONIC ACID

- Acidifying and Penetrating Surfactant
- Reduces Alkaline Hydrolysis of Dimethoate
- Assists with Uptake of Foliar Fertilisers
- Assists in Management of Spray Droplet Size

APVMA Approval No: 63606/0109

Pack Sizes: 1L, 5L, 20L, 110L, 200L, 1000L

GENERAL INSTRUCTIONS

ProBuffer 700 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

ProBuffer 700 is a multipurpose 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 ProBuffer 700 enhance the uptake of many systemic herbicides, allowing them to effectively penetrate into leaves, without causing damage to non-target crop plants.

Acidification

ProBuffer 700 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

ProBuffer 700 will reduce the number of fine droplets (<150micron) produced by flat fan nozzles, without increasing the number of large spray droplets (>400micron). ProBuffer 700 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 Rygel representative for further advice and stewardship.

MIXING

Half fill the spray tank with water and commence agitation. Add the required quantity of ProBuffer 700 then add the recommended quantity of herbicide, insecticide or foliar fertiliser. Continue agitation while topping up the tank and during spraying. Do not use with copper products.

PROTECTION OF WILDLIFE, FISH CRUSTACEA AND ENVIRONMENT

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

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 or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemical on-site. Break, crush, or puncture and bury empty containers in a local authority landfill. If not available bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.

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 13 11 26. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

MATERIAL SAFETY DATA SHEET

For further information refer to the Material Safety Data Sheet (MSDS).

CONDITIONS OF SALE

The use of Rygel ProBuffer 700 Surfactant being beyond the control of the manufacturer, no warranty expressed or implied is given by Rygel Australia Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Rygel Australia Pty Ltd accepts with no responsibility for any consequences whatsoever resulting from the use of this product.

In an Emergency Dial 000 Police or Fire Brigade

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 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 to reduce the number of fine droplets. ProBuffer 700 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 Rygel representative for further advice and stewardship.

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