

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

TITAN

# ACTIV8

## SURFACTANT

ACTIVE CONSTITUENT: 870g/L NON-IONIC SURFACTANTS

A premium non-ionic, rainfast wetting agent with low foaming qualities.

Wetter/Surfactant | General Purpose | Low Foaming | Non-ionic

APVMA Approval No.: 88539/121635

Pack Size: 1L; 5L; 10L; 20L; 110L; 200L; 1000L



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<b>ADJ</b>	Formulation Type <b>Adjuvant</b>
<b>IN A TRANSPORT EMERGENCY</b> • DIAL 000 • POLICE OR FIRE BRIGADE	
TRANSPORT AND HANDLING NOT A DANGEROUS GOOD ACCORDING TO THE AUSTRALIAN DANGEROUS GOODS (ADG) CODE FOR TRANSPORT BY ROAD AND RAIL	

## DIRECTIONS FOR USE

TITAN Activ8 Surfactant can be used where the addition of a surfactant is required or recommended on the agricultural chemical label. Variation in conditions of use can require some changes in the amount of TITAN Activ8 Surfactant required.

SITUATION	APPLICATION RATE PER 100L	CRITICAL COMMENTS
NON-SELECTIVE HERBICIDES Foliar Active Soil Active	70-125mL 75-100mL	Use higher rate on waxy, hairy or hard to wet surfaces. Increase rate for dry soils.
SELECTIVE HERBICIDES In Crop Use	75-125mL	Use only when a surfactant is recommended on herbicide label. Use the higher rate for hard to wet surfaces.
DICLOFOP-METHYL HERBICIDES (TITAN Diclofop-Methyl 500 EC Selective Herbicide, Di-Grass, Nugrass, Hoegrass)	150mL	Use only in mixture of diclofop-methyl with bromoxynil and MCPA, LVE MCPA, diflufenican plus MCPA (25 & 250g/L) or metsulfuron (600g/kg) herbicides.
<b>HORTICULTURE USAGE</b>		
INSECTICIDES For example: carbaryl, chlorpyrifos, dimethoate, trichlorfon, maldison, cypermethrin (200g/L), plus others	Boom Spray: 50-125mL Misters: 30-100mL	Use the higher rate on hairy, waxy, dusty or hard to wet surfaces. Also increase the rate when spraying onto dry soils.
FUNGICIDES mancozeb (750g/kg), chlorothalonil (720g/L)	Boom Spray: 50-125mL Misters: 30-100mL	
HERBICIDES Foliar Active paraquat & diquat (135 & 115g/L), glyphosate, Amitrole T, dicamba (500g/L), MCPA Soil Active atrazine 900DF, simazine 900DF, 2,4-D sodium salt (700g/kg)	70-125mL  75-100mL	
SUGARCANE HERBICIDES Knockdown mixtures with paraquat, glyphosate, MCPA, 2,4-D amine, 2,4-D dimethyl amine salt (800g/kg), 2,4-D sodium salt (700g/kg)	60-120mL	Increase the rate of TITAN Activ8 Surfactant as the rate of water sprayed per hectare increases.  For example, if you apply 400 litres of water per hectare, 400 to 480mL of TITAN Activ8 Surfactant should be added to the spray solution. Spray only to the point where leaves are fully covered. Spraying beyond this allows run-off, which will increase costs by losing chemical onto the ground.
Mixtures of knockdown and residual herbicides such as paraquat plus atrazine 900DF	75-125mL	Use the higher rate when spraying waxy, hairy, dusty or hard to wet leaves. Also if the soil is dry, a higher rate of TITAN Activ8 Surfactant should be used. Consult product labels for individual recommendations.
Woody Weed Spraying	100-125mL	<b>Spot Spraying:</b> When spot spraying with chemicals such as dichlorprop potassium salt (600g/L), dicamba (500g/L), 2,4-D amine (625g/L), glyphosate or metsulfuron. TITAN Activ8 Surfactant should be added at these rates depending on growth conditions and likely rainfall conditions. <b>Aerial Spraying:</b> Aerial spraying of woody weeds is often difficult by air due to the difficulty of reaching the target effectively. However, this is normally the only practical option. TITAN Activ8 Surfactant will improve penetration into the plant as well as prolonging the droplet life when used through aircraft. Normal water volumes of 30 to 50 litres per hectare should include at least 40mL of TITAN Activ8 Surfactant per 100 litres of water.
Fire Fighting	Water tanker: 10mL per 100 litres of water Knapsack: 1mL per 10 litres of water	TITAN Activ8 Surfactant improves the efficiency of water in fire fighting by increasing the wetting power and assisting in faster control.
Paraquat & Diquat Important when grasses are the major target	60-120mL	Vary rate according to spray volume. Select rate in accordance with product labels.  Use the higher rate for wetting turf.
Pasture Topping For use with glyphosate 450	150mL	
Watering of Turf and Dust Abatement As additive to water	50-125mL	

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

## GENERAL INSTRUCTIONS

TITAN Activ8 Surfactant is a low foaming, non-ionic type spreader adjuvant, providing quick wetting, more uniform distribution. TITAN Activ8 Surfactant increases retention of spray by reducing surface tension of the spray droplets. TITAN Activ8 Surfactant is a water-soluble adjuvant that may also be used as an interfacial agent for wettable powders. TITAN Activ8 Surfactant assists the uptake of foliar absorbed products.

## MIXING

For wettable powders and water soluble products add TITAN Activ8 Surfactant to water in the spray tank before adding agricultural chemical. For emulsifiable and suspension concentrate products add TITAN Activ8 Surfactant to the spray tank after a good emulsion is formed.

**Note:** Where product labels recommend the addition of a non-ionic wetting agent at a specific percentage dilution, use the following guidelines, eg. 0.1% – 100mL per 100 litres of final spray volume, or 0.125% – 125mL per 100 litres of final spray solution.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Harmful to fish. DO NOT contaminate streams, rivers and waterways with the chemical or used containers.

## STORAGE AND DISPOSAL

KEEP OUT OF REACH OF CHILDREN. Store in 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 for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm 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.

**Refillable containers:** Store in the closed, original container in a cool, well-ventilated area away from children, animals, food, feedstuffs, seed and fertilizers. DO NOT store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

## SAFETY DIRECTIONS

Avoid contact with the eyes or skin. When using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length PVC/rubber gloves and face shield or goggles. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water.

## FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766.

## SAFETY DATA SHEET

Additional information is listed in the safety data sheet (SDS). A safety data sheet for TITAN Activ8 Surfactant is available from TITAN AG Pty Ltd on request. Call Customer Service on (02) 9999 6655 or visit titanag.com.au

## CONDITIONS OF SALE

TITAN AG Pty Ltd shall not be liable for any loss injury damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on TITAN AG's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of TITAN AG Pty Ltd has any authority to add to or alter these conditions.

Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: Harmful if inhaled. Harmful to aquatic life. Precautionary Statements: Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Dispose of contents/container in accordance with local/regional/national/international regulations.

