



**READ SAFETY DIRECTIONS
BEFORE OPENING OR USING**

HOT-UP[†]

SPRAY ADJUVANT

ACTIVE CONSTITUENTS:

340 g/L NON-IONIC SURFACTANT BLEND

190 g/L MINERAL OIL

140 g/L AMMONIUM SULPHATE

A specially formulated product combining the properties of wetting, penetrating and reduced antagonism designed to enhance the performance of knockdown herbicides in non-crop situations especially in adverse environmental conditions.

VICCHEM

The Right Chemistry

HOT-UP[†]

SPRAY ADJUVANT

GENERAL INSTRUCTIONS

Product Description

HOT-UP Spray Adjuvant is a blend of nonionic surfactants, highly refined mineral oil and ammonium sulphate that is suitable for use as a Spray Adjuvant with certain non-selective or knockdown herbicides. Herbicidal activity is enhanced by wetting and penetrating weed surfaces and by preventing the reduction of activity associated with adverse water quality or environmental conditions.

Important

Prior to use, read all directions on this label and on the label of the herbicide being used. Any specific usage or restrictions on the herbicide label have precedence over directions for use referred to on this label.

Many Glyphosate based herbicides instruct not to use spraying oils or mineral oils which this product contains. However, HOT-UP Spray Adjuvant has been trialled with Glyphosate based herbicides and shown to provide increased efficacy under certain conditions.

THIS PRODUCT IS NOT RECOMMENDED FOR USE IN-CROP. CROP INJURY MAY RESULT.

Mixing

Follow the directions on the herbicide product's label.

NOTE: To minimise the loss of activity that may be experienced when using certain herbicides in adverse conditions eg. Glyphosate in hard water, it is advisable to add HOT-UP Spray Adjuvant to the water prior to adding the herbicide.

Equipment Maintenance

Components of HOT-UP Spray Adjuvant may be mildly corrosive to copper, brass or galvanized parts. Thoroughly flush tanks, pumps and nozzles with water after use.

Compatibility

HOT-UP Spray Adjuvant is suitable for tank mixing with the following products, however all instructions on the herbicide label must be strictly followed. If unsure about the suitability of HOT-UP Spray Adjuvant for a particular situation, trial a small preparation before full scale use.

DIRECTIONS FOR USE

Restraints

DO NOT use this product for spraying herbicides in or on crops. Use **ONLY** in noncrop situations.

Herbicides

Round-up¹ CT, Roundup¹ 360, Nufarm Glyphosate CT, Touchdown⁷, Basta², Ally³ (when mixed with glyphosate), Lontrel⁵, Gramoxone, Garlon⁶ 600, Amicide 500, Estericide 800, Surpass⁶, MCPA 500

Rate

HOT-UP Spray Adjuvant
0.25-1.0L/100L of Spray
Volume

Critical Comments

The high end of the HOT-UP Spray Adjuvant usage rate is recommended when mixing in hard water (> 340ppm hardness) or during hot or dry conditions.

1 Roundup Registered trademark of Monsanto Company USA. 2 Garlon Registered trademark of DowElanco. 3 Basta Registered trademark of Hoechst AG. 4 Ally Registered trademark of DuPont. 5 Lontrel Registered trademark of Dow AgroSciences. 6 Surpass Registered trademark of Nufarm. 7 Touchdown Registered trademark of Zeneca.

NOTE: HOT-UP Spray Adjuvant is a multi-component adjuvant formulation which provides a variety of benefits to herbicides in different conditions. It is particularly effective at improving herbicide efficacy under stressed conditions. HOT-UP Spray Adjuvant may reduce the antagonism that certain combinations of herbicides exhibit.

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

Spillage

In the event of spillage absorb onto sand or chemical absorbent. Remove residue with water. Dispose of by normal waste disposal methods conforming to local authority codes.

Protection of Wildlife, Fish, Crustacea and Environment

Do not contaminate streams, rivers or waterways with the chemical or used containers.

Storage and Disposal

KEEP OUT OF REACH OF CHILDREN.

Store in the closed, original container, in a well-ventilated area, out of direct sunlight. Avoid storage below 5°C or above 35°C as components of this product may separate. Within normal temperature range (5 - 35°C), it returns to its normal clear fluid state, but may require agitation to clarify. Triple, or preferably pressure rinse containers before disposal. Add rinsing 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 bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. Refillable Containers: If returning containers for refill do not rinse, instead replace cap and return to designated collection point.

SAFETY DIRECTIONS

May irritate the eyes and skin. Avoid contact with eyes and skin. Avoid inhaling vapor or spray mist. When using the product wear protective clothing. After use wash thoroughly with soap and water. After each day's use wash contaminated clothing. **WHEN USING TOGETHER WITH OTHER CHEMICALS CONSULT THEIR SAFETY DIRECTIONS.**

FIRST AID

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

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet which can be obtained from the supplier.

Hazard Statements

Causes serious eye irritation. Causes skin irritation. Harmful if swallowed

Precautionary Statements

Wash hands thoroughly after use. Do not eat drink or smoke when using this product. Wear protective gloves and eye protection. **IF SWALLOWED:** Call a POISON CENTRE or doctor/physician if you feel unwell. Rinse mouth. **IF ON SKIN:** Wash with plenty of soap and water. If skin irritation occurs get medical advice. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists get medical advice.

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**Victorian Chemical
Company Pty. Limited**
83 Maffra Street, Coolaroo,
Victoria 3048, Australia
Telephone: (03) 9301 7000
Facsimile: (03) 9309 7966
Email: products@vicchem.com
Website: www.vicchem.com



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For applicable packs