



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

OPTISPREAD[®] 1000

WETTING & SPREADING AGENT

Premium quality biodegradable wetting
and spreading agent for use with insecticides,
fungicides and herbicides.

ACTIVE INGREDIENT: Contains 1000 g/litre alkoxylated alcohols

NET CONTENTS: 20 litres ☐ 1000 litres ☐

Grosafe[®]



HSNO Classification: 6.1E (oral), 6.3A, 6.9B (repeated exposure), 8.3A, 9.1D, 9.3C

DANGER: May cause serious eye damage.
WARNING: Causes skin irritation. May be harmful if swallowed. May cause damage to organs through prolonged or repeated exposure by ingestion, or inhalation.
PERSONAL PROTECTION: When mixing or loading wear overalls, impervious gloves and eye/face protection. Do not breathe fumes/mist/vapours/spray. Wash hands and exposed skin thoroughly before rest or meal breaks, and after work.
ENVIRONMENT: Toxic to aquatic life. ; Harmful to terrestrial vertebrates. Avoid release to the environment, and contamination of any water supply with product or empty container.
STORAGE: Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from foodstuffs. When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Contact the distributor for further information about the use of this product if it is older than this.
SPILLS AND DISPOSAL: When dealing with spills wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section. Contain and absorb with suitable inert absorbent material and store in properly labelled, sealed drums for safe disposal. If spray mixture is spilled absorb and collect in drums as above. Deal with all spillages immediately. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.
PRODUCT DISPOSAL: If possible dispose of by using according to the label, or in accordance with the local regulations.
CONTAINER DISPOSAL: Triple rinse container and dispose of via recycling scheme. Otherwise bury in a suitable land fill.
SAFETY DATA SHEET: A safety data sheet is available from Grosafe Chemicals Ltd.

FIRST AID: For advice call a doctor or the National Poisons Centre (0800 764 766). If swallowed, get medical advice if person feels unwell. If on skin, wash with plenty of soap and water. If irritation occurs get medical advice/attention. Take off contaminated clothing and wash before use. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Get immediate medical advice.

EMERGENCY RESPONSE 0800 CHEMCALL: (0800 243 622).

GENERAL INFORMATION:

Optispread® 1000 is a premium quality, biodegradable, non-ionic surfactant for agricultural and horticultural sprays. It contains 100% w/v active ingredients suitable for use with most fungicides, insecticides and herbicides.

Optispread® 1000 reduces the surface tension of spray droplets causing them to spread and adhere to the target in a continuous film. This assists penetration and uptake of the spray on to waxy or hairy plant surfaces, fungus lesions and insects.

Herbicide Sprays: Optispread® 1000 can be added to many herbicide sprays to increase their efficiency. Use only where directed on individual labels, as use with selective herbicides outside label directions may reduce crop selectivity.

For foliar active herbicides, spray to the point where leaves and stem are just wet. Spraying beyond this point will cause run-off and loss of spray chemicals. When spraying hard to wet waxy or hairy leafed plants, increasing the rates of **Optispread® 1000** can increase activity. When treating dense, tall vegetation with foliar herbicides it is important to thoroughly wet all leaves and stems for efficient herbicide performance.

Mixing: Optispread® 1000 mixes easily with water and should be added directly to the spray tank after the addition of other components. **Optispread® 1000** can be used with acid and alkaline sprays.

DIRECTIONS FOR USE:

SITUATION	APPLICATION & RATE OF USE	COMMENTS
HORTICULTURAL SPRAYS		
Insecticides and fungicides	25-75ml / 100L Knapsack - 4ml / 100L	Recommended for addition to all horticultural sprays, except where formulation has sufficient wetter.
Vineyard Grapes	75ml / 100L	Use with Sulphur and other fungicides and insecticides
Glasshouse horticultural crops	10ml / 100L	Rate for sensitive crops
WEED KILLING SPRAYS		
General weed killing sprays	High volume power spray - 10-50ml / 100L Low volume power spray - 40-100ml / 100L Knapsack - 4ml / 15L	Refer to individual labels for specific recommendations.
Glyphosates	100 - 200ml / 100L	In situations where an organosilicone is not specifically required.
Paraquat and Diquat	Boom spray - 25-100ml / 100L Knapsack - 15ml / 15L	For low water rates, maximum efficiency can be achieved using higher Optispread® 1000 rates to ensure thorough coverage of foliage and increased absorption.
Soil Residual Herbicides e.g. diuron, simazine, atrazine	100ml / 100L	When applying soil active herbicides to standing weeds, add Optispread® 1000 to thoroughly wet foliage. Check specific product labels for individual recommendations.

Compatibility: Optispread® 1000 is compatible with most commonly used fungicides, insecticides and herbicides. **Optispread® 1000** should not be used with products where the label prohibits the use of surfactants, or where the formulations has sufficient wetter. Product labels need to be checked for individual recommendations.

Approved pursuant to HSNO Act 1996, No HSR002503 See www.epa.govt.nz for approval conditions.
WARRANTY This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

REGISTERED PROPRIETOR:

Grosafe®
CHEMICALS LTD

20 JEAN BATTEN DRIVE
MT MAUNGANUI
FREE PHONE 0800 220 002
info@grosafe.co.nz
www.grosafe.co.nz

Batch No:

Date of Manufacture:



Optispread® is the registered trademark of Grosafe Chemicals Ltd.

