

ACTIVE INGREDIENT

Poly(oxy-1, 2-ethanediyl), α -isooctadecyl- ω -hydroxy100%
CAS NUMBER 52292-17-8

EPA EST. NO. 56630-WI-1

EPA REG. NO. 8329-74

CAUTION

KEEP OUT OF REACH OF CHILDREN

FIRST AID

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for medical treatment. For medical emergencies, call the International Poison Control Center at 1-800-214-7753.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Refer to technical bulletin prior to use.

SPRAY TANK AND MIXING PRECAUTIONS: Thoroughly clean spray systems of contaminants such as petroleum oils, conventional toxicants, and detergent residues prior to the addition of technical AROSURF MSF or when formulating AROSURF MSF with water to prevent possible adverse product interactions and environmental effects. Detergents can act to destroy the film-forming properties of AROSURF MSF. Diesel Oil + AROSURF MSF + water can form a pasty unsprayable material.

Spray tanks should be free of water when using technical AROSURF MSF in non-agitating systems.

Ground spray systems should be equipped with high sheer agitation (e.g. paddle) when adding AROSURF MSF to water in spray tanks. Do not add AROSURF MSF to water in spray systems that do not have agitation.

Premixing of AROSURF MSF with water in high sheer agitation systems is required prior to addition to aircraft spray systems. Conventional by-pass recirculation will not provide adequate agitation to effectively mix AROSURF MSF with water.

APPLICATION CONSIDERATIONS: AROSURF MSF is not visible on the surface of the water. To check the habitat for the presence and persistence of AROSURF MSF, add a drop of ADOL® Indicator Oil to several locations in the habitat, especially those downwind. If the drop of Indicator Oil forms a tight bead on the surface of the water, AROSURF MSF is present.

Persistent unidirectional winds of 10 mph or greater, surface drainage overflow, or runoff will usually result in poor mosquito control due to displacement or removal of AROSURF MSF from the habitat.

Mosquitoes that require little or no surface contact for breathing, i.e. *Mansonia* spp., *Coquillettidia* spp., *Culex erraticus*, *Culex pilosis*, etc. require properly timed applications at sensitive (surface contacting) stages – the pupae and emerging adult – for maximum impact. The high end of the dosage range is recommended.

The high end of the dosage range is recommended when spraying habitats whose surface characteristics are severe (highly obstructed) to compensate for loss of

AROSURF MSF on vegetation or floating debris and to ensure adequate persistence and effective spreading/re-spreading.

The high end of the dosage range is recommended when spraying habitats where multi-directional winds of 10 mph or greater are expected to persist for 24 hours after treatment to ensure adequate persistence and effective spreading/re-spreading.

Significant expansion of the water's surface area from rain or tidal fluxes after the application can be compensated by a dosage that is based on the expected water surface area. This will help assure adequate AROSURF MSF persistence and will eliminate the need for re-treatment of mosquito broods resulting from the new water.

Application of 0.75-1.0 gal/acre can be useful in controlling *Culex* spp. in dynamic (continuous breeding) permanent habitats such as sewage treatment systems. These higher applications prolong film life and thus extend the interval between re-treatment.

Mosquito Habitat		Recommended Application Rates* (Gal/Surface Acre) According to Developmental Stage	
Description	Examples	Larvae	Pupae
Semi-permanent or permanent fresh (including potable and irrigation sources) or salt water habitats with no, low, moderate or high concentrations of emergent or surface vegetation	Salt marshes, ponds, storm water, retention/detention basins, roadside ditches, grassy swales, pot holes, fields, reservoirs, irrigated croplands, etc.	0.3 – 0.5	0.2 – 0.3
Semi-permanent or permanent polluted water habitats containing no, low, moderate or high concentrations of algal mats, emergent or surface vegetation or organic/inorganic debris	Pumping station bunkers, settling, polishing, and evapo-percolation ponds of sewage treatment systems; drainage areas containing effluent from slaughter houses, etc.	0.4 – 0.5	0.2 – 0.3

Note: larvicidal action will usually result in 24-72 hours. Pupicidal action will usually result in 24 hours. Reapply as necessary.
* AROSURF MSF may also be applied at the recommended rates in water-based formulations at up to 10 percent by volume.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal.

STORAGE: Do not allow water to stand on drum top for prolonged periods of time. Water may seep into drums (through weeping) and cause rust formation which may clog spray nozzles.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state or local authorities

For Information Call 1-800-323-5727

Manufactured For: Clarke Mosquito Control Products, Inc., Roselle, Illinois 60172

NET CONTENTS: _____ Gal (8.6 kg)

LOT NO: _____

NOTICE: To the extent consistent with applicable law, Clarke Mosquito Control Products, Inc. makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on the label. User assumes all risks of use, storage or handling not in strict accordance with accompanying label.

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