



AQURON® Dairy-Solve™

Proven Since 1985

Manure Lagoon Treatment AGRICULTURE PRODUCTS

MANUFACTURER

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Product Description

AQURON® Dairy-Solve™ is an odorless liquid that accelerates the decomposition of animal excrement and works to eliminate odors in dairy operations.

BASIC USE

A major problem encountered in the dairy industry is the extensive noxious odors and the accumulation of solid manure due to the anaerobic status of lagoons and litter areas. The combination of AQURON® Dairy-Solve™ and its micro-organism culture will eliminate the odor problems and enhance the degradation of solids. AQURON® Dairy-Solve™ will clean up manure lagoons and get rid of standing liquids (water & waste).

As AQURON® Dairy-Solve™ opens the soil up so the waste can be removed from the area, it also helps to control the odor problems that are normally associated with livestock pens. Noxious odors disappear rapidly following the application of AQURON® Dairy-Solve™ with significant improvement within a few minutes of being treated.

AQURON® Dairy-Solve™ works to eliminate the odor problem that is often so intolerable to surrounding communities as to force closures or moving of operations. The odor of animal excrement after application of AQURON® Dairy-Solve™ dissipates very quickly with the added benefit of the elimination of flies, mosquitoes and their larvae.

By eliminating the odors and their resulting gases, such as ammonia, generated in enclosed pens, AQURON® Dairy-Solve™ eliminates the cause of disease and sickness with livestock thus reducing operational costs.

AQURON® Dairy-Solve™, when applied to the mounded solid waste many times releases the larvae to the surface where they immediately die resulting in the further reduction of disease and insects.

Operations that have installed filtration systems for recycling water will find improvement in recycled water quality and experience reduced maintenance of the filtration system. Many times much of the wash water can be recycled and used

over and over again. This not only reduces the amount of water usage, but diminishes the volume in the lagoon and eliminates substantial discharge into waste streams, which influences environmental quality.

Once treated with AQURON® Dairy-Solve™, if discharge into waste streams is experienced, it will not harm fish or wildlife in these areas (lagoons, lakes and streams).

SOME ATTRIBUTES

- Remove soluble salt from many different surfaces.
- Penetrates deeply into steel.
- Removes very deep salt contamination.
- Dilutes, using most available water sources.
- Will not interfere with adhesion of topical coatings.
- Extremely economical.
- Ships in concentrate form.
- Dilutes 1 part to 100 parts water.
- Non-hazardous to applicator.
- No VOC/VOS content.
- Non-flammable.
- No freeze harm.
- Environmentally safe.
- User friendly.
- Simple spray application.

PRECAUTIONS

- Always use prudent laboratory or industrial hygiene procedures.
- Keep out of reach of children.
- Protective gloves should be worn while mixing.
- Wear rubber boots when appropriate
- Wash hands and face after use.

COMPOSITION

AQURON® Dairy-Solve™ is an environmentally neutral ecologically safe highly reactive penetrant, which dilutes with potable water.

PHYSICAL PROPERTIES

Physical	liquid
Color	yellow
Specific gravity	1.1-1.2
Flash point	none
pH	±3
Evaporation Rate	-1
Toxicity	None
Boiling Point	216°F
Freeze temperature	20°F

Hazardous Vapors	None
Weight per gallon	9.1 lbs
Environmentally	safe
User	friendly
Shelf life	2 years
Freeze harm	none
Flammability	none
VOC/VOS content	none
Pollutants	none
Waste disposal method	Non-Hazardous
Coverage rate.	Refer to Application Section

INSTALLATION

Job Conditions

1. Dilute AQURON® Dairy-Solve™ at a rate of 20 to 1 with potable water. Mix well. (Wear gloves while mixing.)
2. When applying the diluted AQURON® Dairy-Solve™ utilize a pump tank sprayer or electrical low-pressure spray for application.
3. Make sure the surface to which AQURON® Dairy-Solve™ is being applied is not frozen and that surface will not freeze for eight hours following application.
4. Always apply AQURON® Dairy-Solve™ when there are no windy conditions. A light breeze is permissible.
5. The wearing of rubber boots by the applicator is suggested during actual application.

Application Procedures

1. Application is made by applying diluted AQURON® Dairy-Solve™ at a rate of 1 US gallon to each 5.6 cubic feet of excrement. Should excrement be thick in depth it should be graded to a depth of no more than 12 inches.
2. Once the diluted AQURON® Dairy-Solve™ is applied to excrement mounds, keep mounds wet with water. This will enhance decomposition. Be sure to keep mounds wet (Do not allow mounds to dry out during decomposition phase.) Completely turn waste every 48 hours keeping it wet with water. Continue operation until waste test positive for discharge (20 to 30 days)

Application Procedures Cont...

3. When application is made to a lagoon, calculate length x width x depth of the lagoon being treated then divide that figure by 5.6 to arrive at the number of gallons needed of the diluted AQURON® Dairy-Solve™ to decompose that lagoon.
4. Take the calculated AQURON® Dairy-Solve™ needed for the lagoon and spray it onto the surface of the lagoon. Then take 2 of at least 2" size circulating pumps and circulate the lagoon for 24 hours. Continue to circulate lagoon contents for approximately 30 days or until contents test positive. When test results are positive, discharge lagoon.
5. Once mounds and lagoons are treated and discharged, you can now maintain your facility by treating all excrement as it is deposited and spraying the hard surfaces prior to wash down operation.
6. Because of varying conditions in Dairy Operations our Technical Service Department is ready to assist you in answering any questions you may have regarding AQURON® Dairy-Solve™ and its application. Simply call us at (972) 722-5444 or email us at aquron@aquron.com.

CLEAN-UP & SAFETY

All equipment will clean easily with potable water.

SHELF LIFE

Shelf life is 2 years provided product is maintained in original containers with lids tightly sealed.

PACKAGING

AQURON® Dairy-Solve™ is available in 5 gallon/19.4 liters and 55-gallon/213.4 liters drum size.

AQURON® Dairy-Solve™ is also available in bulk containers.

TECHNICAL SERVICES

Technical information and assistance may be obtained from your local dealer, or by calling the technical department of the AQURON Corporation at (972) 722-5444, (800) 342-4649 Office, or (972) 722-6412 FAX or toll free FAX (888) 412-1543. E-mail welcome – info@aquron.com

Warranties and Limitations of Liability

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Local Area Representative