



AlluvionTM Max

ORGANOSILICONE SPREADER

Non-ionic formulation enhances the spreading and foliar deposition of herbicides, fungicides, insecticides, plant growth regulators and nutrients.

Principal Functioning Agents:

Polyether modified heptamethyltrisiloxane and Oxirane,
methyl-, polymer with oxirane, mono-2-propenyl ether: ----- 99.9%
Constituents Ineffective as Spray Adjuvants: ----- 0.1%
Total: ----- **100%**

Surfactant Content: ----- ≥99%

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Classification: Acute toxicity (inhalation-vapor) - Category 4
Skin sensitizer - Category 1B
Eye damage – Category 1

GHS Label Elements

Hazard pictograms:



KEEP OUT OF REACH OF CHILDREN DANGER

Signal Word:

Hazard Statements: Harmful if inhaled
Causes serious eye damage
May cause an allergic skin reaction

Environmental Hazard: Do not apply directly to water, or to areas where surface water is present, or to inter-tidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

Attention: Not for aerosol use. Not for aquatic use.

All ingredients are exempt from the requirements of a tolerance as specified in 40 CFR§180.910



Manufactured in the USA for



551 Mews Drive, Suite J
New Castle, DE 19720
Phone: 302-504-7400

NET CONTENTS:
1 Quart

*Providing Tomorrow's
Innovative Solutions Today!®*

PRODUCT INFORMATION

AlluvionTM Max Organosilicone Spreader is a nonionic organosilicone wetting agent useful in the application of herbicides, fungicides, insecticides, plant nutritionals, biological products, fertilizers, and plant growth regulators in horticultural and arable crops.

AlluvionTM Max lowers the surface tension of spray solutions well below commonly used surfactants.

Lower surface tension will result in more effective wetting and more uniform coverage on foliar surfaces, often resulting in a reduction in water requirements. AlluvionTM Max readily disperses in spray solutions and is especially suited to situations where coverage is critical and is particularly useful in low volume spraying and aerial applications where water coverage is a limiting factor.

FIRST AID

If in eyes:

- Rinse eyes cautiously with water for several minutes, occasionally lifting the eyelids.
- Check for and remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes.
- Immediately call a POISON CENTER/doctor.

If on skin or clothing:

- Flush contaminated skin with soap and plenty of water for at least 15 minutes.
- Remove contaminated clothing and shoes.
- Get medical attention.
- Wash clothing and shoes before reuse.

If inhaled:

- Remove person to fresh air and keep at rest in comfortable position for breathing.
- If person is not breathing or breathing is irregular, provide artificial respiration or oxygen by trained personnel.
- Get medical attention immediately. After inhalation of aerosol/mist seek medical advice immediately.

If swallowed:

- Wash out mouth with water.
- If exposed person is conscious, give a glass of water to drink.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
- Get medical attention if adverse health effects persist or are severe.
- Do not give anything to an unconscious person.

**PERSONAL PROTECTIVE EQUIPMENT
USER SAFETY RECOMMENDATIONS**

Applicators and other handlers must wear long-sleeved shirt and long pants, impermeable and chemical resistant gloves, safety glasses with side shields, and shoes plus socks. If inhalation exposure is expected, NIOSH/MSHA approved respiratory protection should be worn. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User must:

- Use only outdoors or in a well-ventilated area.
- Do not breathe vapor/dust/mist/aerosol.
- Wash hands before eating, drinking, chewing gum, smoking, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

DIRECTIONS FOR USE:

Important – Before spraying any previously untried mixtures with **Alluvion™ Max**, always test the mixture beforehand for crop phytotoxicity.

Alluvion™ Max will give the best results in low volume spraying around 50% or less of the normal volume of water when sprayed to runoff.

High water volumes with **Alluvion™ Max** may result in excessive run-off of spray liquid and may lead to poor efficiency.

Adjust either the rates of **Alluvion™ Max** or the water volumes to obtain thorough coverage without excessive run-off.

Mixing:

Prior to any pesticide application, all spray mixing and application equipment must be thoroughly cleaned. Carefully observe all cleaning directions on the pesticide label.

1. Fill spray tank half full with water and begin agitation.
2. If foaming is expected add a silicone based anti-foam to the tank before adding the pesticides.
3. Add pesticides and foliar nutrients as directed on their respective labels. Maintain agitation.
4. Continue filling with water until the tank is ~90% full
5. Add the required amount of **Alluvion™ Max** and mix thoroughly. Add the remaining water to 100% full.
6. For optimum results, spray mixes should be applied within 24 hours after mixing.

Recommendations:

Always follow the pesticide manufacturer's label for use of nonionic surfactants. However, where no recommendation is given and addition of a

nonionic surfactant is permitted, use **Alluvion™ Max** between 0.025% - 0.1% (3.2 – 13 fl oz per 100 gallons) for ground sprays and between 0.05% - 0.15% (6.4 – 19 fl oz per 100 gallons) for aerial sprays.

In many applications, the water rate may be reduced from the typical "spray to run-off" volume by up to 70%. Therefore, water rates should be adjusted accordingly to avoid excessive run-off.

Since all equipment is set up differently, check the coverage on a small area and adjust volume to achieve the best result for your equipment before applying to large areas.

Compatibility:

Alluvion™ Max is compatible with most commonly used nutritionals, herbicides, fungicides, insecticides, and plant growth regulators.

Alluvion™ Max will break down when mixed with highly acidic (below pH 4) or highly alkaline (above pH 9) chemicals, which may result in poor wetting and spray coverage.

Notes:

1. Optimum spreading and wetting from **Alluvion™ Max** will occur between pH 5 and pH 9. Spray mixtures above and below these figures should be sprayed immediately or adjust the solution to within the correct pH range to avoid the breakdown of the **Alluvion™ Max**.
2. Not all formulations of chemicals behave the same with **Alluvion™ Max**. It is important to make a small amount representative of the spray mixture and apply to a small area to ensure the product is providing adequate coverage. Coverage may be adjusted by either increasing the **Alluvion™ Max** rate (see recommended range above), or by modifying the water volume as needed.
3. **Alluvion™ Max** has demonstrated good plant safety. However not all plants and spray mixtures have been tested. Treatments that have a potential for phytotoxicity could be aggravated by **Alluvion™ Max**. Before treating large areas, a small area should be tested and the results observed.

STORAGE & DISPOSAL

Storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials, food, and drink. Keep container closed. Do not store below 39°F (4°C) as product will freeze.

Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler, visit the ACRC web page at www.acrecycle.org.

WARRANTY & EXCLUSION OF LIABILITY

Arkion® Life Sciences warrants that this product conforms to the chemical description on the label and can be used as set forth in the directions for use on this label. This warranty IS IN LIEU OF ALL OTHER WARRANTIES, STATUTORY, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent permitted by law, the liability of Arkion Life Sciences and its distributors for any loss, damage or injury of any kind arising from the use of this product, whether in contract or tort, strict liability or otherwise, whether direct, indirect, incidental, or consequential, shall be limited to the replacement of product or refund of the purchase price thereof.



Alluvion™ Max
ORGANOSILICONE SPREADER