

MVP Liquid Clear Organic

Description & Uses

MVP CLEAR ORGANIC is our premium contractor product. It's composed of our standard MVP CLEAR ORGANIC liquid with a clear organic additive which, unlike other organic additives won't track inside stores and offices. The residual effect afforded by the organic additive is like gluing the salts to the pavement or walk making it last longer on the surface which means less subsequent application of ice melters. It has an extra low freeze point of -34°F and can be used for de-icing, anti-icing and pre-wetting rock salt.



MVP CLEAR ORGANIC is composed primarily of Sodium, Calcium, Magnesium & Potassium Chlorides along with the aforementioned agriculturally derived clear organic additive. It is artfully blended for maximum melting performance but because the blend of chlorides is balanced there is not an excessive amount of any one component. The individual components are safe for plantings in small quantities but had we composed it exclusively of any one single component then chances are that it would exceed the safe level for that component. What this equates to is less incidental damage to landscaping. The organic additive provides greater corrosion inhibition than our standard MVP LIQUID does allowing it to be used in sensitive areas. The organic additive provides greater corrosion inhibition than our liquid ice melt solutions.

	Pre-Application				De-Icing		Stockpile				
	Freeze Point	Color	Anti-icer	Application (Gal/Acre) ⁽¹⁾	De-Icer	Application (Gallons/Acre) ⁽¹⁾⁽²⁾	Treat Stock-piles	Application (Gallons/Ton)	Apply at Spinner	Residual	Tracking ⁽³⁾
MVP Liquid Clear Organic	-34°F	Clear	Best	40-45	Best	40+	Good	8-10	Good	Best	No

(1) The effectiveness of liquids are based upon the correct application rate based upon weather conditions and the type of surface receiving application. Contact us with your specific application requirements. (2) Assume area is recently plowed. (3) Based upon applying 40 gallons per acre.

APPLICATION GUIDELINES

Liquids are your most valuable tool to get a “running water” parking lot. However, liquids are not meant to totally replace dry products. Liquids are most effective when used before an event or to pre-wet dry products. They can be used for de-icing also but there are practical limits as to how much snow & ice liquids can melt after an event. (See section on de-icing*). Having an organic additive allows greater flexibility of when applications may occur because of the residual effect the organic affords. See the section on anti-icing for more information.*

ANTI-ICING – Application rate for anti-icing is .80 - 1.05 gallons per 1000 square feet. **For frost prevention use half that.** Use solid stream nozzles for roads and fan spray nozzles for parking lots due to less spreading action due to vehicle tires in lots. Apply as soon as practicable before an event or once the event begins.

- Prevents bonding of snow and ice to pavement which speeds up removal operations which saves money.
- Can be applied up to 3 days before an event due to the organic additives' residual effect*
- Superior to dry salt for premium service to customers to reduce slip-and-fall accidents & liability.
- Significantly reduces “black ice”.
- Follow “Anti-Icing Application Decision Flowchart” for more detailed application information.
- Starts working earlier & lasts longer than dry products.

DE-ICING – Application rate is .95-1.15 gallons per 1000 square feet. Rate can be adjusted based on accumulation. Use solid stream nozzles set at higher pressure to help increase penetration down to the pavement to undermine snow & ice.

- Clear product won't track in stores and offices.
- Melting begins melting ice & snow immediately upon application.
- MVP CLEAR ORGANIC melts through up to 1/4" of dry packed snow down to the pavement, when using straight stream nozzles, where it will spread and break the bond between the ice & snow and the road allowing plows to remove it easily saving time and money.*

PRE-WETTING – Application rate is 4-6 gallons per ton of rock salt at the auger / spinner or onto loader bucket when loading truck.

- 15% - 35% reduction in salt use due to reduced “bounce & scatter” and residual effect of the organic.
- Melting begins immediately - no waiting for salt to make its own brine.
- Lower salt consumption from pre-wetting is better for plantings & the environment in general.

TYPICAL PROPERTIES

Appearance Clear liquid
 Specific Gravity 1.17 -1.28
 Weight/gl..... 9.65 -10.1
 pH..... 6.2 -7.9
 Freezing Point..... -34°F (-37°C)

Application Rates With Hand Sprayer

LOW TRAFFIC AREAS - (i.e. Sidewalks and parking lots with low traffic) When applying liquid deicers in lower traffic areas it is recommended to use a fan spray tip to achieve complete surface coverage.

Application Rate - Gal/1000 sq.ft.

Spray Tip 8006	Time to Cover 120 sq.ft.				
	10 sec	15 sec	20 sec	25 sec	30 sec
15 psi	0.51	0.77	1.03	1.28	1.54
20 psi	0.58	0.87	1.17	1.46	1.75
30 psi	0.72	1.08	1.44	1.81	2.17
40 psi	0.83	1.25	1.67	2.08	2.5
50 psi	0.93	1.4	1.86	2.33	2.79
60 psi	1.01	1.52	2.03	2.53	3.04

Application Rate – Gal/1000 sq.ft.

Spray Tip 8004	Time to Cover 120 sq.ft.				
	10 sec	15 sec	20 sec	25 sec	30 sec
15 psi	0.33	0.5	0.67	0.83	1
20 psi	0.39	0.58	0.78	0.97	1.17
30 psi	0.49	0.73	0.97	1.22	1.46
40 psi	0.56	0.83	1.11	1.39	1.67
50 psi	0.62	0.94	1.25	1.56	1.87
60 psi	0.68	1.02	1.36	1.7	2.04

LOW TRAFFIC AREAS - (i.e. Sidewalks and parking lots with low traffic) When applying liquid deicers in lower traffic areas it is recommended to use a fan spray tip to achieve complete surface coverage.

Low Traffic Application Rates With Multi-Nozzle Spray Boom Using FAN Spray Tips

Application Rate - Gal/Square Acre									
	20psi	10.5" sprayer tip spacing							
		10 mph	15 mph	20 mph	25 mph	30 mph	40 mph	50 mph	60 mph
Fan Spray Tip	4003								
	4004								
	4005								
	4006								
	4008	32.1	21.4						
	4010	40	26.7	20					
	4015	59.7	39.8	29.8	23.9	19.9			
	4020	79.4	52.9	39.7	31.8	26.5			
	4030								
	4040								

Application Rate - Gal/Square Acre									
	30psi	10.5" sprayer tip spacing							
		10 mph	15 mph	20 mph	25 mph	30 mph	40 mph	50 mph	60 mph
Fan Spray Tip	4003								
	4004								
	4005								
	4006								
	4008	38.8	25.9	19.4					
	4010	49	32.7	24.5	19.6				
	4015	73.2	48.8	36.6	29.3	24.4			
	4020	97.4	64.9	48.7	39	32.5			
	4030								
	4040								

Application Rate - Gal/Square Acre									
	40psi	10.5" sprayer tip spacing							
		10 mph	15 mph	20 mph	25 mph	30 mph	40 mph	50 mph	60 mph
Fan Spray Tip	4003								
	4004								
	4005								
	4006								
	4008	45	30	22.5	18	15			
	4010	56.3	37.5	28.2	22.5	18.8			
	4015	84.5	56.3	42.2	33.8	28.2			
	4020	112.6	75.1	56.3	45	37.5	28.2		
	4030								
	4040								

Low Traffic Application Rates With Multi-Nozzle Spray Boom Using FAN Spray Tips (continued)

Application Rate - Gal/Square Acre									
	50psi	10.5" sprayer tip spacing							
		10 mph	15 mph	20 mph	25 mph	30 mph	40 mph	50 mph	60 mph
Fan Spray Tip	4003								
	4004								
	4005								
	4006								
	4008	50.1	33.4	25.1	20	16.7			
	4010	63.1	42	31.5	25.2	21			
	4015	94.6	63.1	47.3	37.8	31.5			
	4020	125.6	83.7	62.8	50.2	41.9	31.4		
	4030								
	4040								

HIGH TRAFFIC AREAS - When applying in high traffic area (i.e. Roadways and parking lots with high traffic) it is recommended to use a solid stream tip. In higher traffic areas the product will be spread around the surface by tire traffic.

High Traffic Application Rates With Multi-Nozzle Spray Boom Using STREAM Spray Tips

Application Rate - Gal/Square Acre									
	20psi	10.5" sprayer tip spacing							
		10 mph	15 mph	20 mph	25 mph	30 mph	40 mph	50 mph	60 mph
Stream Spray Tip	0003								
	0004								
	0005								
	0006								
	0008	32.1	21.4						
	0010	40	26.7	20					
	0015	59.7	39.8	29.8	23.9	19.9			
	0020	79.4	52.9	39.7	31.8	26.5			
	0030								
	0040								

Application Rate - Gal/Square Acre									
	30psi	10.5" sprayer tip spacing							
		10 mph	15 mph	20 mph	25 mph	30 mph	40 mph	50 mph	60 mph
Stream Spray Tip	0003								
	0004								
	0005								
	0006								
	0008	38.8	25.9	19.4					
	0010	49	32.7	24.5	19.6				
	0015	73.2	48.8	36.6	29.3	24.4			
	0020	97.4	64.9	48.7	39	32.5			
	0030								
	0040								

High Traffic Application Rates With Multi-Nozzle Spray Boom Using *STREAM* Spray Tips

(Continued)

Application Rate - Gal/Square Acre									
	40psi	10.5" sprayer tip spacing							
		10 mph	15 mph	20 mph	25 mph	30 mph	40 mph	50 mph	60 mph
Stream Spray Tip	0003								
	0004								
	0005								
	0006								
	0008	45	30	22.5	18	15			
	0010	56.3	37.5	28.2	22.5	18.8			
	0015	84.5	56.3	42.2	33.8	28.2			
	0020	112.6	75.1	56.3	45	37.5	28.2		
	0030								
	0040								

Application Rate - Gal/Square Acre									
	50psi	10.5" sprayer tip spacing							
		10 mph	15 mph	20 mph	25 mph	30 mph	40 mph	50 mph	60 mph
Stream Spray Tip	0003								
	0004								
	0005								
	0006								
	0008	50.1	33.4	25.1	20	16.7			
	0010	63.1	42	31.5	25.2	21			
	0015	94.6	63.1	47.3	37.8	31.5			
	0020	125.6	83.7	62.8	50.2	41.9	31.4		
	0030								
	0040								