

Product		(SMI Data 2017) Sodium Formate				(SMI Data 2014) Sodium Acetate					
<b>Performance Tests:</b>		<b>Ice Melting</b>	<b>Solid</b>	Mean Mass of Ice Melted (M <sub>im</sub> (g))	<b>Ice Melting Capacity (mim/md)</b>						
Test Temperature	-10° C (+14° F)						Mean Mass of Ice Melted (M <sub>im</sub> (g))	<b>Ice Melting Capacity (mim/md)</b>			
Time	5 minutes			4.6	0.9		5.2	1.0			
Time	10 minutes			5.6	1.1		5.9	1.2			
Time	30 minutes			6.3	1.3		8.6	1.7			
Test Temperature	-2° C (+28° F)										
Time	5 minutes			8.3	1.7		5.2	1.0			
Time	10 minutes			10.0	2.0		6.6	1.3			
Time	30 minutes			16.4	3.3		10.6	2.1			
<b>Performance Tests:</b>		<b>Ice Melting</b>	<b>25% w/w</b>	Mean Mass of Ice Melted (M <sub>im</sub> (g))	<b>Ice Melting Capacity (mim/md)</b>						
Test Temperature	-10° C (+14° F)						Mean Mass of Ice Melted (M <sub>im</sub> (g))	<b>Ice Melting Capacity (mim/md)</b>			
Time	5 minutes			2.8	0.6		1.8	0.4			
Time	10 minutes			3.1	0.6		3.0	0.6			
Time	30 minutes			4.4	0.9		3.6	0.7			
Test Temperature	-2° C (+28° F)										
Time	5 minutes			5.8	1.2		3.3	0.7			
Time	10 minutes			6.0	1.2		3.5	0.7			
Time	30 minutes			8.1	1.6		4.1	0.8			
<b>Performance Tests:</b>		<b>Ice Undercutting</b>	<b>25% w/w</b>	Mean Undercut Cavity Diameter (mm)	Total Area (mm <sup>2</sup> )	Area Original Cavity (mm <sup>2</sup> )	<b>Ice Undercutting (mm<sup>2</sup>)</b>				
Test Temperature	-10° C (+14° F)						Mean Undercut Cavity Diameter (mm)	Total Area (mm <sup>2</sup> )	Area Original Cavity (mm <sup>2</sup> )	<b>Ice Undercutting (mm<sup>2</sup>)</b>	
Time	5 minutes			4.2	13.9	7.1	6.8	4.1	13.2	7.1	6.1
Time	10 minutes			4.2	13.8	7.1	6.7	4.3	14.5	7.1	7.4
Time	30 minutes			4.2	13.8	7.1	6.7	4.3	14.5	7.1	7.4
Test Temperature	-2° C (+28° F)										
Time	5 minutes			7.5	44.2	7.1	37.1	5.0	19.6	7.1	12.5
Time	10 minutes			8.7	59.4	7.1	52.3	6.4	32.2	7.1	25.1
Time	30 minutes			10.2	81.7	7.1	74.6	7.2	40.7	7.1	33.6
<b>Performance Tests:</b>		<b>Ice Penetration</b>	<b>25% w/w</b>	<b>Penetration Depth (mm)</b>							
Test Temperature	-10° C (+14° F)			<b>Penetration Depth (mm)</b>		<b>Penetration Depth (mm)</b>					
Time	5 minutes			2.1		0.5					
Time	10 minutes			2.0		1.0					
Time	30 minutes			2.5		1.0					