



## PRODUCT SPECIFICATION

PRODUCT INFO			
Product Name	AMP-W	Product ID	ETS-3111
Product Application	Anti-icing, deicing, pre-wetting. Clear Roads QPL Category A3 approved product.		
CHEMICAL PROPERTIES			
Chemical Constituent	Typical Analysis (%)		Range (%)
Magnesium Chloride	19.1		18.5-20.5
Magnesium Sulfate	0.3		≤ 0.5
Sodium Chloride	0.4		≤ 0.5
Potassium Chloride	0.3		≤ 0.5
Proprietary Ice Softening Additive	Proprietary		Proprietary
Proprietary Corrosion Inhibitor	Proprietary		Proprietary

## Typical Analysis

GENERAL SPECIFICATIONS			
Constituent	Detected Level (ppm)	Constituent	Detected Level (ppm)
Arsenic	≤ 5.00	Barium	≤ 100.00
Cadmium	≤ 0.20	Chromium	≤ 1.00
Copper	≤ 1.00	Lead	≤ 1.00
Mercury	≤ 0.05	Selenium	≤ 5.00
Zinc	≤ 10.00	Phosphorus	≤ 2500.00
Cyanide	≤ 0.20	Molybdenum	≤ 15.00

PRODUCT TESTING	
TEST DESCRIPTION	TEST RESULTS
Form, Color, Odor	Liquid, Amber colored, Mild
Specific Gravity (g/mls @ 20 °C)	1.245-1.265
Density (lbs/gal @ 20 °C)	10.390-10.556
pH (Clear Roads Test Method 4 @ 20 °C)	6.0-10.0
Corrosion Rate (NACE Standard TM0169-95, PNS Modified)	≤ 30.0