

# Air1<sup>®</sup> OptiSpray<sup>™</sup>



## Air1<sup>®</sup> OptiSpray<sup>™</sup> (Additivised urea solution 32.5%)

Air1 OptiSpray is Yara's Air1 AdBlue<sup>®</sup> with low concentrations of a surfactant additive. Air1 OptiSpray can be used as a replacement for AdBlue and is compliant with the impurity requirements of ISO 22241.

### Typical Characteristics

Classified as non-hazardous for supply or transport.

### Appearance

**Physical State:** Liquid

**Colour:** Colourless / White

**Odour:** Ammonia (Slight)

### Freezing Point

-11°C (12.2°F)

### Boiling Point of solution (°C)

Decomposition Temperature:  
100°C (212°F)

The product is stable under normal recommended storage and handling conditions.

### Analytical Methods

The product is analysed in accordance with the analytical procedures described in ISO 22241-2, with the exception of the additive, which is not described in the ISO standard.

Specification	Minimum	Maximum	Weight
Urea content	31.8	33.2	% by weight
Density at 20°C	1.0870	1.0930	g/cm <sup>3</sup>
Refracting index at 20°C	1.3814	1.3843	
Alkalinity as NH <sub>3</sub>		0.2	%
Biuret		0.3	%
Aldehyde 5 mg/kg		5	mg/kg
Insolubles 20 mg/kg		20	mg/kg
Phosphate (PO <sub>4</sub> )		0.5	mg/kg
Calcium		0.5	mg/kg
Iron		0.5	mg/kg
Copper		0.2	mg/kg
Zinc		0.2	mg/kg
Chromium		0.2	mg/kg
Nickel		0.2	mg/kg
Aluminium		0.5	mg/kg
Magnesium		0.5	mg/kg
Sodium		0.5	mg/kg
Potassium		0.5	mg/kg
Surfactants		0.05	%

Yara reserves the right to change the technical data without further notice.

