

## CrystalGuard™

### PRODUCT OVERVIEW

Emissco CrystalGuard™ Prevents crystal deposits forming in SCR Systems.

Like AdBlue®, CrystalGuard™ works with SCR systems to reduce NOx emissions from diesel engines, however CrystalGuard™ is specially formulated to reduce the harmful build-up of crystal deposits which can occur in vehicles and mobile machinery with low idling or regular stop/start operation.

Most modern vehicles have stop/start systems and their operation can be a challenge to the SCR system, especially in cold conditions. When the exhaust temperature is low, or there are cold spots in the exhaust system, an increased risk of deposit build up may occur in the SCR catalyst system, which can cause blockages. This may result in higher fuel consumption, extra maintenance schedules and unwanted downtime of the vehicle.

Based on a high-purity 32.5% urea solution CrystalGuard™ conforms to the purity specifications of the ISO 22241 standard for AdBlue®, with which it is fully compatible. With the added benefit of a surfactant additive CrystalGuard™ prolongs the life of the SCR system, helping to reduce vehicle / machinery down-time and avoiding unwanted additional maintenance costs.

### FEATURES AND BENEFITS

- Prevents crystal deposits forming in Selective Catalytic Reduction (SCR) systems
- Ideal for cold operating conditions (winter months)
- Reduced pollution (Lowers NOx and Particulate emissions)
- ISO 22241 certified specification (ISO 22241-1, ISO 22241-2, ISO 22241-3)
- Suitable for all vehicles with SCR Systems

### DIRECTIONS FOR USE

When you refill with AdBlue®, there is no need to wear protective clothing. However, we recommend that you wear gloves to prevent irritation to sensitive skin. Please read the safety data sheet on AdBlue® when you handle large quantities of AdBlue®.

### TECHNICAL DATA

<b>APPEARANCE</b>	<b>Colorless</b>
<b>ODOUR</b>	<b>Slight, ammoniacal</b>
<b>FREEZING POINT</b>	<b>-11°C (12.2°F)</b>
<b>HAZARD</b>	<b>Non-Hazardous</b>

Constant ambient storage temperature (C°)	Minimum shelf life (months)
≤ 10	36
≤ 25	18
≤ 30	12



### PACKAGING SPECIFICATIONS

**UNIT SIZE** 10L

**STORAGE** AdBlue® should ideally be stored within a temperature range between 0 and 30°C and kept protected from direct sunlight. The storage area must be clean and free from dust to avoid any contamination, especially when a vehicle is being filled with AdBlue®. Containers should be properly sealed when not being used. It is possible for AdBlue® to freeze at -11°C, so it is important that you use a storage area that is not below this temperature. If the AdBlue® has frozen, it can be reused when it has thawed as it will return to its original state.

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