

## PRODUCT DESCRIPTION

Supermax Oil Germany Adblue® is a urea based product that has been designed for diesel engine vehicles with SCR system in accordance with the Euro emission standards. Adblue® reacts with (NOx) in exhaust gas coming from vehicles with SCR system to produce nitrogen and steam that are normally existing in the atmosphere.

According to the Euro emission standards, emission of particle and (NOx) amount is restricted as 95% particle and 90% (NOx) respectively. Euro emission standards cannot be maintained when Supermax Oil Germany Adblue® is not used in the diesel engines with SCR system. Also engine thrust force and performances are directly related with the use of Adblue®.

Using urea solution in SCR systems as a reduction material is accepted as key technology to reduce emission of nitrogen oxides.

## ADVANTAGES

- Supermax Oil Germany AdBlue® is not toxic. If it is used properly, it does not have any harmful effect to human, animals and environment.
- Product has a 9.0 pH value which means it is relatively alkaline. It should not be in touch with aluminum, soft steel and brass directly.
- It is recommended to be used and stored with stainless steel and/or plastic material containing tanks.
- It should be used in a special tank in the vehicles that is close to fuel tank.
- It should not be exposed to direct sunlight.
- Ideal conservation condition is between -5 °C and +25 °C in shadow.

## APPROVALS AND SPECIFICATIONS

- DIN 70070
- AUS 32 TS ISO 22241
- Licensed by VDA (Verband der Automobilindustrie)

## CHARACTERISTIC PROPERTIES

Test	Birim	Test Metodu	İdeal Değerler
Appearance	-		Transparent, Residue Free
Density, 20° C	kg/m3	ISO 3675 / ISO 12185	1.09
Refractive Index, 20° C	-	ISO 22241-2 Ek-C	1.3843
Alkalinity, in terms of NH <sub>3</sub>	% (m/m)	ISO 22241-2 Ek-D	0.20
Ure	% (m/m)	ISO 22241-2 Ek B	32
		ISO 22241-2 Ek C	
Insoluble Matter	mg/kg	ISO 22241-2 Ek-G	10

## ADDITIONAL INFORMATION

### Package

- 10 L
- 18 L
- 20 L
- 30 L
- 200 L
- IBC
- Bulk

### Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly

closed and sealed when not in use.

- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 25 °C.

### Shelf Life

- Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are one year.

### Health and Safety

Based on the available information, AdBlue® is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Material Safety Data Sheet" (MSDS). MSDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.