



Product: AUS 32 (Aqueous Urea Solution 32.5%)
Nox reduction agent
Diesel Exhaust Fluid (DEF)
AdBlue

Description

Nox reduction agent for Diesel engines equipped with SCR catalysts.

Chemical Properties

AdBlue has a weak alkaline reaction.

The urea solution decomposes slowly at room temperature, generating ammonia and carbon dioxide.

The rate of this reaction increases as the solution is heated.

Shelf Life

At product temperatures between -6°C to 30°C

AdBlue has a shelf life of 12 months after production (maximum product temperature 30°C, average product temperature 20°C)

Constant ambient storage temperature (*C)	Minimum Shelf Life (months)
≤10	36
≤25	18
≤30	12
≤35	6
≥35	Significant decomposition test before use

Safety

AdBlue is a non-hazardous substance

Handling

When using this product, the information and advice given in our safety data sheet should be observed. Due attention should also be given to the precautions necessary for handling chemicals.

Storage and transportation

AdBlue is a dangerous substance for transportation.

Owing to its chemical nature, however it must be transported and stored separately from nitrites.

Transportation should be made in insulated tanks or on plastic tank pallets (IBC).

Greenox Oils Private Limited

Technical Data Sheet (T.D.S.)

Specification

Sr. No.	Test Parameter	Method	Unit	Control Limits	Test Result
1	Urea %	REF. METER	% Wt	31.8-33.2	32.50
2	Density @ 20°C	ISO 3675:1998	KG/M3	1087.0-1093.0	1.091
3	Refractive Index	ISO22241-2 ANNEX C		1.3814-1.3843	1.3828
4	Alkalinity	ISO22241-2 ANNEX D	% Wt	0.2 MAX	0.17
5	Biuret	ISO22241-2 ANNEX E	% Wt	0.3 MAX	0.25
6	Insoluble Matter	ISO22241-2 ANNEX G	PPM	20 MAX	2.01
7	Aldehydes	ISO22241-2 ANNEX F	PPM	5 MAX	0.26
8	Phosphate	ISO22241-2 ANNEX H	PPM	0.5 MAX	0.230
9	Al	ISO22241-2 ANNEX I	PPM	0.5 MAX	0.002
10	Ca	ISO22241-2 ANNEX I	PPM	0.5 MAX	0.024
11	Fe	ISO22241-2 ANNEX I	PPM	0.5 MAX	0.005
12	Cu	ISO22241-2 ANNEX I	PPM	0.2 MAX	0.005
13	Zn	ISO22241-2 ANNEX I	PPM	0.2 MAX	0.000
14	Cr	ISO22241-2 ANNEX I	PPM	0.2 MAX	0.004
15	Ni	ISO22241-2 ANNEX I	PPM	0.2 MAX	0.002
16	Mg	ISO22241-2 ANNEX I	PPM	0.5 MAX	0.002
17	Na	ISO22241-2 ANNEX I	PPM	0.5 MAX	0.013
18	K	ISO22241-2 ANNEX I	PPM	0.5 MAX	0.001
19	Identity	Visual		Identical to Reference	Identical to Reference