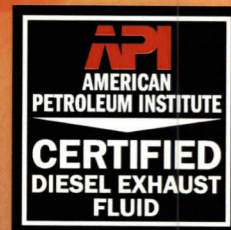




DEFendal[™]
DIESEL EXHAUST FLUID

The graphic for DEFendal Diesel Exhaust Fluid features a large blue water droplet shape behind the word "DEFendal". To the left of the droplet are several horizontal blue and white stripes. Below the main text, the words "DIESEL EXHAUST FLUID" are written in a smaller, bold, black font.

See reverse for specifications, handling, and available package sizes.

For all your Diesel Exhaust Fluid and Equipment Needs Contact:
Tilley Chemical Company Inc.

501 Chesapeake Park Plaza Baltimore, MD 21220

Office (410) 574-4500 Fax (410) 391-6665

sales@tilleychem.com

www.tilleylubricants.com





Manufacturer Specifications

PROPERTIES	METHOD	MINIMUM	TYPICAL	MAXIMUM
Appearance	Visual	Free & Clear of sediment		
Urea Content	ISO 22241-2	31.8	32.5	33.2
Density @ 20°C	ISO 3675, 12185	1.087		1.093
Refractive Index @ 20°C	ISO 22241-2	1.3814		1.3843
Alkalinity, %m as NH ₃	ISO 22241-2			0.2
Biuret, %m	ISO 22241-2			0.3
Aldehydes, mg/kg	ISO 22241-2			5
Insoluble matter, mg/kg	ISO 22241-2			20
Phosphate (PO ₄) mg/kg	ISO 22241-2			0.5
Calcium, mg/kg	ISO 22241-2			0.5
Iron, mg/kg	ISO 22241-2			0.5
Copper, mg/kg	ISO 22241-2			0.2
Zinc, mg/kg	ISO 22241-2			0.2
Chromium, mg/kg	ISO 22241-2			0.2
Nickel, mg/kg	ISO 22241-2			0.2
Aluminum, mg/kg	ISO 22241-2			0.5
Magnesium, mg/kg	ISO 22241-2			0.5
Sodium, mg/kg	ISO 22241-2			0.5
Potassium, mg/kg	ISO 22241-2			0.5

Temperature °Fahrenheit	Temperature °Celsius	Minimum Shelf Life
< 50° F.	<10° C	36 months
< 77° F.	<25° C	18 months
< 86° F.	<30° C	12 months
< 95° F.	<35° C	6 months
> 95° F.	>35° C	Retest each lot

Industry Standards:

ISO 22241:2006

API

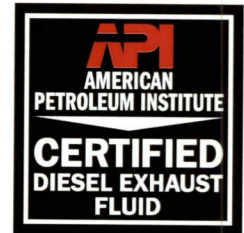
AUS 32

DIN 70070:2005

CAS #: 32.5% 57-13-6 UREA

67.5% 7732-18-5 Water

EINECS #: 200-315-5



Package Sizes to Meet Your Needs



1 Gallon
JUG
4 / Case



2.5 Gallon
JUG w/spout
2 / Case



55 Gallon
DRUM



330 Gallon
TOTE

For all your Diesel Exhaust Fluid and Equipment Needs Contact:

Tilley Chemical Company Inc.

501 Chesapeake Park Plaza Baltimore, MD 21220

Office (410) 574-4500 Fax (410) 391-6665

sales@tilleychem.com

www.tilleylubricants.com

