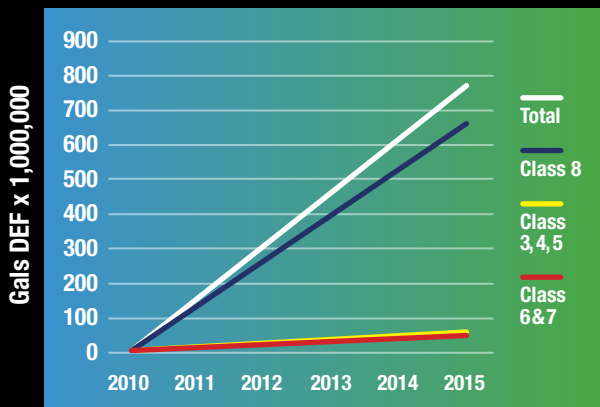


DEFENSE™

DIESEL EXHAUST FLUID

NO_x REDUCING AGENT FOR DIESEL ENGINES WITH SCR TECHNOLOGY

Projected DEF Usage in USA and Canada



EMA estimates: August 25, 2008

DEFense™ prepares you for the new diesel standards and paves the way for new customers.

Time to gear up! You need to be ready for the new, mandatory emission standards for Class 6, 7 and 8 trucks. And we're ready to provide a reliable supply of DEFense brand Diesel Exhaust Fluid for the new engines with Selective Catalytic Reduction (SCR) technology.

Planning your DEFense inventory, now, makes good business sense and good customer service. By getting up to speed early, you'll keep the customers you have, while attracting new ones as the demand for DEF continues to rise. And by 2015, the standard will include all commercial diesel engines – pulling in an even greater customer base.

How it works.

DEFense is an organic, urea-based operating fluid that is used by SCR systems to reduce NO_x to elemental nitrogen and water through chemical interaction with ammonia. Urea is the carrier for the ammonia, and its purity is critical to the effectiveness of the fluid. DEFense is a high-purity solution of 32.5% urea in deionized water for optimum performance. It is not a fuel or additive, is not explosive or toxic, and is classified as non-hazardous.

- Refills are needed about every 2.5 refuelings
(A class 8 truck traveling 100,000 miles a year will carry an 18-gallon reservoir requiring 17 refills a year – about 300 gallons.)
- Does not affect normal maintenance

Laboratory-tested and road-proven.

DEFense has passed grueling performance tests with flying colors.

- Meets ISO 22241-1 and AUS 32 standards
- Meets or exceeds SCR manufacturer's performance requirements i.e., Cummins, Detroit Diesel, Volvo, Mack, Hino, Isuzu, PACCAR
- Certified by the American Petroleum Institute (API)



Storage and Handling

To maintain product integrity, DEFense requires proper storage and handling. Depending upon temperature and initial alkalinity, it has a shelf life of 6 to 36 months.

- Begins to deteriorate at 83°F
- Freezes at 12°F and expands by 7% upon freezing

All surfaces that come in direct contact with DEFense must be free of grease, fuel, oil, detergent, dust or any other foreign matter.

Product Options and Equipment

- Bulk – direct delivery from the blending plant
- 275-gallon disposable totes
- 55-gallon drums
- 1-gallon and 2.5-gallon retail sizes



**Cleaner exhaust
for a greener
world.**

DEFENSE™

DIESEL EXHAUST FLUID



Contact your local MFA Oil retail outlet.

Shelf Life as a Result of Temperature

Constant Ambient Storage Temperature	Minimum Shelf Life in Months
≤ 50° F	36
< 77° F	18
≤ 86° F	12
≤ 95° F	6
> 95° F	Check every batch before using.

Additional shelf-life factors include initial alkalinity and vented vs. non-vented containers.