OWENS-CORNING WORLD HEADQUARTERS
FIBERGLAS TOWER
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April 14, 1995

To Owens-Corning Tank Customers:

The purpose of this letter is to clarify the use of fiberglass underground storage tanks produced by Owens-Corning for the storage of ether and alcohol fuel blends. All percentages are by volume.

FUELS BLENDED WITH ETHER:

Owens-Corning has extensively tested fuels containing up to 20% MTBE, ETBE, and TAME. The results show very little effect on the laminate, and hence storage of these ether blends in underground storage tanks produced by Owens-Corning from 1964 through 1994 would not void the manufacturer's warranty.

ALCOHOL FUELS:

TANKS MADE PRIOR TO JANUARY 1981:
Tanks produced prior to January 1981 were not warranted for any alcohol or alcohol blend fuels. In addition, these tanks were not tested and listed by Underwriter's Laboratory (UL) for such fuels. The use of alcohol or alcohol blends in tanks produced and sold prior to January 1981 would void both the manufacturer's warranty and the UL listing for the tank.

TANKS MADE BETWEEN JANUARY 1981 AND JUNE 1984:
In December 1981, Owens-Corning completed UL testing and introduced a 30-year warranty on the standard fiberglass tank for 10% ethanol blended fuel. For these tanks, the use of ethanol blends over 10% or any methanol blends in the standard fiberglass tank would void both the manufacturer's warranty and the UL listing for the tank.

For methanol blends or blends of ethanol exceeding 10%, an optional vinylester resin system was UL listed and available as an option from Owens-Corning.

TANKS MADE BETWEEN JULY 1984 AND JUNE 1990:
In July 1984, Owens-Corning completed additional UL testing and introduced a 30-year warranty on the standard fiberglass tank for low levels of methanol such as 90.5% gasoline and 9.5% Oxinol-50 (4.75/4.75 methanol/GTBA). For these tanks, the use of ethanol blends over 10% and methanol blends over 4.75% would void the manufacturer's warranty and the UL listing for the tank.

TANKS MADE SINCE 1990:
In July of 1990, Owens-Corning issued a 30-year warranty for all levels of alcohol (ethanol or methanol) on standard double wall tanks. These tanks were UL listed for this service.

It is our belief that the prudent tank owner will want to secondarily contain any high level alcohol blends (over 10%), as higher levels could be considered hazardous material as defined in the underground tank regulations published by the federal Environmental Protection Agency. It is our recommendation that double wall fiberglass tanks be used to achieve that secondary containment.

The above should clarify the issue of fuel compatibility warranty coverage and UL listings for ether and alcohol blended fuels stored in tanks manufactured by Owens-Corning between 1964 and December 31, 1994.

Sincerely,

David Bartlow

David Bartlow
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Owens-Corning Fiberglas Corporation