



modern welding company  
INCORPORATED  
BOX 1450 • OWENSBORO, KENTUCKY 42302-1450  
FABRICATORS OF METAL PRODUCTS  
(270) 685-4400 • FAX (270) 684-6972

June 1, 2018

#### Isobutanol Compatibility

Modern Welding Company, Inc., a trusted and experienced steel tank manufacturer for more than 85 years, asserts that this letter shall apply to all makes and models of steel tanks that we have manufactured during any time period including all:

- GLASTEEL™ underground storage tanks
- GLASTEEL II™ underground storage tanks
- Single-wall underground storage tanks
- Double-wall underground storage tanks
- Sti-P3® underground storage tanks
- ACT-100® underground storage tanks
- ACT-100-U® underground storage tanks
- Non-UL storage vessels

All steel tanks are compatible and suitable for use with all fuel blends meeting ASTM standards, including:

- Methanol M-100
- Ethanol blends from E10 to E100.
- Biodiesel blends, from B2 to B100.
- Kerosene
- Fuel Oil
- Isobutanol blends up to and including 24% concentration.
- All the items listed above are not to exceed storage temperatures in excess of 120 degree F.

Testing has been done proving compatibility of steel by several sources, including:

Oak Ridge National Lab sponsored by DOE in collaboration with Underwriters Laboratories; National Renewable Energy Laboratories; Southwest Research Institute; Steel Tank Institute.

To access these test reports and other information on alternative fuels:

Visit <https://www.steeltank.com/FabricatedSteelProducts/ShopFabricatedTanks/tabid/458/Default.aspx> for test data and information on testing and steel compatibility.

Tank maintenance is a critical component in any fuel storage and dispensing program. With new or different product blends being introduced to the storage tank system, proper care of the tank should be performed. This and other pertinent maintenance may be found in the following publications:

- Steel Tank Institute's Recommended Practice RP-R111, "Storage Tank Maintenance"
- Petroleum Equipment Institute's, RP900-17, Recommended Practices for the Inspection and Maintenance of UST Systems.

**Note:** ALL OF THE FUEL YOU STORE AND SELL IS REFINED IN TOWERS, COLUMNS AND VESSELS MADE OF STEEL...THAT FUEL IS STORED AT THE TERMINALS IN STEEL TANKS. TRANSPORTATION PIPELINES ARE MADE OF STEEL. STEEL IS IMPERMEABLE, HAS NO POROSITY AND DOES NOT ABSORB FUELS. THE INHERENT STRENGTH AND FLEXIBILITY OF STEEL CANNOT BE QUESTIONED!

#### Conserving Resources:

Steel is the World's Most Recycled Material. Steel is the most recycled material on the planet, more than all other materials combined. Steel retains an extremely high overall recycling rate, which in 2012, stood at 88 percent. The amazing metallurgical properties of steel allow it to be recycled continually with no degradation in performance, and from one product to another.

If you have questions or comments about our products or about this statement, please contact:

Stephen Fort  
V.P. – Sales  
Modern Welding Company, Inc.  
270-685-4400  
sfort@modweldco.com

CORPORATE OFFICE: Owensboro, Kentucky (270) 685-4400

#### SUBSIDIARIES:

Augusta Georgia (706) 722-3411	Burlington Iowa (319) 754-6577	Elizabethtown Kentucky (270) 769-1368	Fresno California (559) 275-9353	Houston Texas (713) 675-4211	Madisonville Kentucky (270) 821-3575	Newark Ohio (740) 344-9425	Orlando Florida (407) 843-1270	Owensboro Kentucky (270) 683-5323	Rhame Texas (817) 636-2215	Modern Custom Fabrication: Fresno, California (559) 264-4741
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