



**DRD ADDITIVES, LLC.**  
1194 NORTH CREST DRIVE  
ROCKFORD, ILLINOIS 61107-6211

TELEPHONE 815-399-2570  
MOBILE 815-342-2820

## TYPICAL PROPERTIES

### BD 1648

#### CHEMISTRY:

BD 1648 is an emulsifier designed for use with natural oils and synthetic esters. Emulsions of vegetable oils, polyol esters, and similar materials can be made using BD 1648 as the sole emulsifier.

#### APPLICATIONS:

BD 1648 is recommended at a treat level of 25% in the concentrate to achieve stable emulsions. Concentrates can be diluted at 20:1 up to 100:1 (at high dilution rates care must be taken to provide adequate corrosion protection)

#### TYPICAL PROPERTIES:

|                       |                     |
|-----------------------|---------------------|
| Appearance            | Yellow Liquid       |
| Viscosity cSt @ 40 C  | 117                 |
| Specific Gravity 20 C | 0.98 (8.27 lbs/gal) |
| HLB value             | 5-7                 |
| pH 1% aqueous         | 6-8                 |
| Acid value mgKOH/g    | 14                  |

This data is presented in good faith and is based on information believed to be reliable and is offered solely for evaluation, investigation and verification of the numerous factors affecting results. DRD Additives Products are sold with the understanding that purchasers will make their own tests to determine the suitability of understanding that purchasers will make their own tests to determine the suitability of these products for their own particular use. Warrantee as to accuracy or results is neither given nor implied. Statements concerning the use of the DRD Additives products are not to be construed as recommendations, suggestions or inducements to use them in the infringement of any patent or in violation of any applicable laws or regulations. No liability arising out of any such use is assumed. Rev. 1//08