



## TRI-TECH CHEMICAL COMPANY Pty Ltd.

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### TRISOL 218 – GLYCEROL MONOOLEATE

#### TYPICAL PROPERTIES

*Trisol 218* is an ester of fatty acid and glycerol. The largest component will be glycerol mono oleate, but it will also contain di-glycerides and tri-glycerides. The product is prepared by controlled reaction between canola oil and glycerol, and the exact fatty chain distribution will mirror that of canola oil. The product is made from non GM (genetically modified) canola oil, it can be Kosher certified if required.

The product has the following physical properties:

Chemical name:	glycerol monooleate
Appearance:	light yellow liquid at 30°C
Acid value:	< 6 mg KOH/g
Moisture content:	<1%
HLB:	approx 3.8

#### APPLICATIONS

*Trisol 218* is insoluble in water having a HLB value of 3.8. It is widely used as an emulsifier, particularly in the food industry and personal care formulations, where it can also act as an excipient. It is also commonly used in defoaming applications such as juice processing, sugar refining, and washing of other cereal crops.

*Trisol 218* can also be used in plasticizing PVC films or coatings.

#### PACKAGING AND STORAGE

*Trisol 218* is generally packed in 200 litre steel drums or 1000 litre IBCs, however alternative packaging or bulk shipment is easily arranged. Packaging must be resealed after opening to ensure maximum shelf life, which is expected to exceed 12 months. We recommend testing prior to use for product greater than 12 months old.