

**Technical Bulletin****TERMUL<sup>®</sup> 5812 Surfactant****PRODUCT DESCRIPTION**

TERMUL<sup>®</sup> 5812 surfactant is a proprietary blend of anionic and nonionic surfactants. The product is clear and slightly viscous at room temperature.

**APPLICATIONS**

- Emulsifier for agricultural applications

**SALES SPECIFICATIONS**

<u>Property</u>	<u>Specifications</u>	<u>Test Method*</u>
Appearance at 25°C	Clear amber liquid, free of foreign matter	ST-30.1

\*Methods of Test are available from Huntsman Corporation upon request.

**TYPICAL PROPERTIES****Chemical Properties**

Water Solubility                      Dispersible

**Regulatory Information**

40 CFR 180                              Approved  
DOT Classification                      Combustible liquid,  
n.o.s. (2-ethyl-1-hexanol, naptha solvent)  
TDG Classification                      Not Regulated  
HMIS Code                                      3-1-0  
CAS Number                      PROPRIETARY BLEND  
TSCA Inventory                              Yes  
WHMIS Classification                      B3, D2B  
Canadian DSL                              Not listed

**Physical Properties**

Flash point, PMCC, °F                      150.8  
Flash point, PMCC, °C                      66  
Pour point, °F                                      19  
Pour point, °C                                      -7  
Density, g/ml at 20°C (68°F)                      0.983  
Weight, lbs/US gal at 20°C (68°F)                      8.2  
Viscosity, kinematic  
cSt at 20°C (68°F)                              141  
cSt at 37.8°C (100°F)                              62

**TOXICITY AND SAFETY**

For information on the toxicity and safe handling of this product, read the Material Safety Data Sheet prior to use of the product.

**HANDLING AND STORAGE**

TERMUL<sup>®</sup> 5812 surfactant may be satisfactorily stored in carbon steel tanks using steel pipes and pumps although storage in 304 or 316 stainless steel is highly recommended. Caution must be exercised to keep the material in the anhydrous state to prevent severe corrosion to the carbon steel tank and related equipment. A drier on the breathing nozzle is recommended to help maintain anhydrous conditions in the storage tank.

For longer term color stability, it is recommended that the product be stored under an inert atmosphere. Solid sediment may form upon standing. There should be circulation in the storage vessel to keep solids suspended.

Low pressure steam coils in storage tanks and steam tracing of transfer lines should be provided in cases where low environmental temperatures may make pumping of the product difficult.

**SHIPPING DATA**

Product is available in tank cars, tank trucks and drums. Small samples are available by contacting our sample department at 1-800-662-0924.

**Huntsman Corporation  
Business Offices**  
10003 Woodloch Forest Dr.  
The Woodlands, TX 77380  
(281) 719-6000

**Huntsman Advanced Technology  
Center  
Technical Service**  
8600 Gosling Rd.  
The Woodlands, TX 77381  
(281) 719-7780

**Samples 1-800-662-0924**

**www.huntsman.com**

3787-1107

**Copyright © 2007 Huntsman Corporation or an affiliate thereof. All rights reserved.**  
TERMUL<sup>®</sup> is a registered trademark of Huntsman Corporation or an affiliate thereof in one or more, but not all, countries.

Huntsman Petrochemical Corporation warrants only that its products meet the specifications stated in the sales contract. Typical properties, where stated, are to be considered as representative of current production and should not be treated as specifications. While all the information presented in this document is believed to be reliable and to represent the best available data on these products, NO GUARANTEE, WARRANTY, OR REPRESENTATION IS MADE, INTENDED, OR IMPLIED AS TO THE CORRECTNESS OR SUFFICIENCY OF ANY INFORMATION, OR AS TO THE MERCHANTABILITY OR SUITABILITY OR FITNESS OF ANY CHEMICAL COMPOUNDS FOR ANY PARTICULAR USE OR PURPOSE, OR THAT ANY CHEMICAL COMPOUNDS OR USE THEREOF ARE NOT SUBJECT TO A CLAIM BY A THIRD PARTY FOR INFRINGEMENT OF ANY PATENT OR OTHER INTELLECTUAL PROPERTY RIGHT. EACH USER SHOULD CONDUCT A SUFFICIENT INVESTIGATION TO ESTABLISH THE SUITABILITY OF ANY PRODUCT FOR ITS INTENDED USE. Liability of Huntsman Petrochemical Corporation and its affiliates for all claims is limited to the purchase price of the material. Products may be toxic and require special precautions in handling. For all products listed, user should obtain detailed information on toxicity, together with proper shipping, handling and storage procedures, and comply with all applicable safety and environmental standards.