

Technical Bulletin**TERMIX[®] 5920 Surfactant****PRODUCT DESCRIPTION**

TERMIX[®] 5920 surfactant is a low HLB non-ionic surfactant. It is oil soluble, water dispersible and is compatible with other nonionic surfactants and with most anionic and cationic surfactants. Listed on FIFRA 40CFR 180.910 and 930.

APPLICATIONS

- Pesticide Spray Drift Reduction Technology Adjuvant: Tank Added or Built-In

SALES SPECIFICATIONS

<u>Property</u>	<u>Specifications</u>	<u>Test Method*</u>
Appearance, 50°C	Clear to hazy, free of foreign matter	ST-30.1
pH, 5% in 10:6 IPA:H ₂ O	5.5 - 7.5	ST-31.36,F

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

ADDITIONAL INFORMATION**Regulatory Information**

Please consult MSDS for inventory status and other regulatory information.

Typical Properties

Flash point, PMCC, °F	572
Flash point, PMCC, °C	300
Density, g/ml at 20°C (68°F)	0.93
Weight, lbs/US gal at 20°C (68°F)	7.76
Viscosity, kinematic cSt at 25°C (77°F)	66

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

TERMIX[®] 5920 surfactant may be satisfactorily stored in stainless steel tanks using steel pipes and pumps.

SHIPPING DATA

Product is available in tank cars or tank trucks from several approved manufacturing facilities.

BIODEGRADABILITY AND ENVIRONMENTAL SAFETY

Although Huntsman Corporation has not conducted biodegradability studies on the SURFONIC AG-series products, constituents of these products are widely recognized as being readily biodegradable in the environment.

Numerous studies conducted by other workers¹⁻⁴ show that linear alcohol ethoxylates and nonylphenol ethoxylates rapidly undergo ultimate biodegradation to a significant degree (>90%) under a wide variety of conditions, including those present in secondary wastewater treatment plants and in river die-away tests corresponding to all seasonal conditions.

General References

1. Swisher, R. D., Surfactant Biodegradation, Marcel Dekker, 1987.
2. Talmage, S. S., Environmental and Human Safety of Major Surfactants: Alcohol Ethoxylates and Alkylphenol Ethoxylates, a report to the Soap and Detergent Association, Lewis Publishers, 1994.
3. Naylor, C. G., F. J. Castaldi and B. J. Hayes. "Biodegradation of nonionic surfactants containing propylene oxide." JAOCs 65:1669-1676 (1988).
4. Kubeck, E. and C. G. Naylor. "Trace Analyses of Alkylphenol Ethoxylates." JAOCs 67:400-405 (1990).

**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

3953-0913

Copyright © 2007, 2012, 2013 Huntsman Corporation or an affiliate thereof. All rights reserved.
TERMIX[®] 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.