

Technical Bulletin**TERMIX[®] 5910 Surfactant****PRODUCT DESCRIPTION**

TERMIX[®] 5910 surfactant is a blend of nonionic surfactants. It is a clear, viscous liquid, free of suspended material. All components listed on FIFRA 40CFR 180.910 and 930, or 960.

APPLICATIONS

- Agricultural spreader/sticker
- Pesticide Spray Drift Reduction Technology Adjuvant: Tank Added or Built-In

SALES SPECIFICATIONS

<u>Property</u>	<u>Specifications</u>	<u>Test Method*</u>
Appearance at 25°C	Clear and substantially free of suspended matter	ST-30.1
pH, 1% in 10/6 IPA/H ₂ O	5.5 – 7.0	ST-31.36, F
Water, wt% ¹	2.0 max.	ST-31.53

¹ Karl Fisher

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

ADDITIONAL INFORMATION**Regulatory Information**

CAS Number	PROPRIETARY BLEND
DOT Classification	Regulated
TDG Classification	Not Regulated
HMIS Code	2-1-0
TSCA Inventory	Yes
WHMIS Classification	D2A, D2B
Canadian DSL	Yes

Typical Properties

Flash point, PMCC, °F	210
Flash point, PMCC, °C	99
Density, g/ml at 20°C (68°F)	0.99
Weight, lbs/US gal at 20°C (68°F)	8.25
Viscosity, kinematic	
cSt at 20°C (68°F)	207
cSt at 40°C (104°F)	81

ADDITIONAL PROPERTIES**Physical Properties**

Wetting Time, sec
Surface Tension, mN/m
Interfacial Tension, mN/m

0.10%

15
28
n/a

0.25%

17
28
1.7

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[®] 5910 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).

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