



# Texan Minerals and Chemicals LLC

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## TECHNICAL DATA SHEET

### TEXAN FlowBack 1

**Chemical Description** – TEXAN FlowBack 1 surfactants are ethoxylated tridecyl alcohols.

**Applications** - TEXAN FlowBack products are a series of surfactants which are effective emulsifiers and emulsifier blend components for various industrial applications. They are used as HLB variables in most formulations and show good emulsification properties over a wide HLB range.

CAS Registry No : 78330-21-9

#### Typical Properties

Appearance 25°C.....	Hazy Liquid
Density at 25 °C, g/ml (U.S. lbs/gal).....	0.97 (8.1)
Moisture, % .....	0.1 max.
pH, 5% aqueous.....	6.0-8.0
Viscosity at 25 °C, cps .....	204
Flash Point, PMCC, °C (°F).....	>94 (>201)
Cloud Point, 1% in water, °C (□ F) .....	<25 (<77)
Hydroxyl Number .....	125
Pour Point, °C (°F) .....	7 (45)
Moles of EO, Average .....	6
HLB .....	11
RVOC, U.S. EPA, % .....	0

#### Solubility:

Water .....	Dispersible
Methanol .....	Soluble
Kerosene .....	Insoluble
Xylene.....	Soluble



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**Storage & Handling** - Normal safety precautions (i.e., gloves and safety goggles) should be employed when handling TEXAN FlowBack series surfactants. Contact with the eyes and prolonged contact with the skin should be avoided. Wash thoroughly after handling material.

Bulk Storage Information: Stainless steel and glass fiber-reinforced polyester tanks are recommended. Many oven-cured phenolic and epoxy/phenolic linings may also be used. Elevated storage temperature may be desirable to maintain ease of pumping. Temperatures up to 54 °C (130 °F) can be maintained for long periods of time without degradation of the product.

TEXAN FlowBack 1 which have been stored in drums at temperatures below 10 °C (50 °F) may thicken or solidify. Drums should be vented prior to heating to avoid excessive pressure build up. Product temperatures over 54 °C (130 °F) are not recommended.

**Standard Packaging:** TEXAN FlowBack 1 is available in bulk and tote quantities.

**Clearances** - TEXAN FlowBack 1 is listed in the United States (TSCA), Canada (DSL), Philippines (PICCS), Australia (AICS), New Zealand (NZIoC), Korea (ECL KE-34177), Japan (ENCS 7-97), China (IECSC), Taiwan.

TEXAN FlowBack 1 is approved for use as inert ingredients under U.S. EPA 40 CFR 180.910, 180.930, 180.940a, 180.960. It is the responsibility of the formulator to review the chemical control regulations for each country where the end product is intended to be sold or used.

This product bulletin has been written in accordance with ACC's Product Stewardship guidelines.

**Product Stewardship** - A Safety Data Sheet is available upon request.

### Additional Safety Information

The information contained herein is based on the manufacturer's own study and the works of others and is subject to change without prior notice. The information is not intended to be all-inclusive, including as to the manner and conditions of use, handling, storage or disposal or other factors that may involve additional legal, environmental, safety or performance considerations. Nothing contained herein grants or extends a license, express or implied, in connection with any patents issued or pending of the manufacturer or others, or shall be construed as a recommendation to infringe any patents or to violate any applicable laws. TEXAN MINERALS AND CHEMICALS MAKES NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR USE, AND NO WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE, INCLUDING REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY, ACCURACY, COMPLETENESS, ADEQUACY OR OTHERWISE. Texan Minerals and Chemicals (and its employees, subsidiaries and affiliates) shall not be liable (regardless of fault) to the vendee, its employees, or any other party in respect of this information, including in respect of its accuracy, completeness, adequacy, furnishing, use, or reliance upon, and the vendee assumes and releases Texan Minerals and Chemicals (and its employees, subsidiaries and affiliates) from all liability, whether in tort, contract or otherwise to the fullest extent possible under the relevant law.