



VANLUBE®

887
887E
887 FG

TECHNICAL DATA

The **VANLUBE® 887** Antioxidant product line contains ashless high molecular weight liquids with an ability to function as corrosion inhibitors. These antioxidants are based on the same tolutriazole derivative as the main active ingredient but each with different proprietary diluent oils so as to be suitable for different intended applications.

VANLUBE® 887 contains an active ingredient of tolutriazole derivative in a mineral oil. It acts as an antioxidant synergist when used with hindered phenols and/or ashless dithiocarbamates such as **VANLUBE® 7723** (U.S. Patent No. 4,880,551 and 6,743,759 B2).

VANLUBE® 887E contains the same active ingredient as **VANLUBE 887** but in a polyol ester diluent. In addition to acting as an antioxidant synergist when used with hindered phenols and/or ashless dithiocarbamates such as **VANLUBE 7723**, it is also synergistic with high temperature oligomer antioxidants such as **VANLUBE® 9317**, which was developed for jet turbine engine oil and other high temperature applications, such as synthetic ester based high temperature chain oils.

VANLUBE® 887 FG contains the same active ingredient as **VANLUBE 887** and **VANLUBE 887E**, but in a food grade mineral oil diluent. It also acts as an antioxidant synergist when used with hindered phenols and/or ashless dithiocarbamates such as **VANLUBE 7723**. It is registered with NSF as HX-1 type lubricant additive suitable for food grade lubricant application with incidental food contact.

	VANLUBE 887	VANLUBE 887E	VANLUBE 887 FG
CHEMICAL COMPOSITION	Tolutriazole compound in mineral oil	Tolutriazole compound in 5 cSt polyol ester	Tolutriazole and ADPA in food grade white oil
TYPICAL PROPERTIES			
Appearance	Clear amber liquid		
Color	1.5		
Nitrogen, %	5.4	5.4	5.9
Density at 15.6 °C, Mg/m³	0.98	1.01	0.95
Viscosity at 100 °C, mm²/s	17	20	39
Moisture Content, %	0.05	0.09	0.01
Flash Point, ASTM D6450, °C	162	239	228
APPLICATIONS	Engine oil	Aviation	Food grade applications
	Industrial oil	Synthetic lube	Engine oil
	Grease	Engine oil	Industrial oil
		Industrial oil	Grease
		Grease	
ADVANTAGES	Ashless, sulfur- and phosphorus-free		
	Low volatility and high flash point		
	Multifunctional acting as an antioxidant and corrosion inhibitor		
	Highly effective in the RPVOT when used in combination with VANLUBE 7723 or VANLUBE 1202		
	Cost effective	High temperature applications	Food grade
	Broad applications in mineral oils	Aviation applications	Higher solubility
		Synthetic lubricant applications	Remains a liquid at room temperature

*The analytical data listed above are not specifications

*Please see user advisory on next page.



SOLUBILITY

Soluble in petroleum products and synthetic lubricant bases.

STANDARD PACKAGING

425 lb metal drum

STORAGE AND HANDLING

STORAGE

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10 of SDS) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

HANDLING

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Put on appropriate personal protective equipment (see Section 8). These products have a tendency upon standing to exhibit some crystallization or gelling. If this happens, the product(s) may be re-liquified by agitation and heating at 70 to 80 °C.

REGISTRATION

Please refer for section 15 of SDS for regulatory information.

CONTACT INFORMATION

For samples, product information and/or technical service, please contact Vanderbilt Chemicals, LLC or the Vanderbilt representative in your area:

Vanderbilt Chemicals, LLC

30 Winfield Street, P.O. Box 5150, Norwalk, CT 06856-5150
P: (203) 853-1400
F: (203) 853-1452
vanderbiltchemicals.com

Vanderbilt (Beijing) Trading, Ltd

Room 220A, Tower A
No. 8 Hengfeng Road
Science Town, Fengtai District
Beijing 100070 P. R. China
P: 011- 86 10 56541176
F: 011- 86 10 56541175

Vanderbilt Worldwide Ltd

12 Park House Alvaston Business Park, Middlewich Road
Nantwich, Cheshire, CW5 6PF
United Kingdom
www.vanderbiltworldwide.com