Tiarco Chemical

OCTOPOL PTB

CHEMICAL NAME:	Potassium Triborate Dispersion in Neutral Oil
PHYSICAL FORM:	Viscous Dark Amber Liquid

TYPICAL PROPERTIES:		METHODS
Calcium, %	0.06 – 0.12	WI-ICP-230
Boron, %	6.0 – 9.0	WI-ICP-230
Potassium, %	7.0 – 10.0	WI-ICP-230
Specific Gravity, 25°C.	1.17 - 1.22	WI-ISO-2-114
Flash Point, ºC.	≥ 150	WI-ISO-2-067
Cloud Point, ºF. typical	65	WI-ISO-2-105

PRODUCT DESCRIPTION:

Octopol PTB is a synergistic extreme pressure composition found to give superior anti-wear and antioxidant features contributed to the oil by the particular borate dispersion. Octopol PTB has fluid or semi-fluid consistencies that are desirable for open gears and bearings. This extreme pressure additive has usages in gear sets found in gas compressors, high-pressure hydraulic systems, automotive transmission differentials, and other types or bearings where high-load conditions are prevalent. To avoid the undesirable effects of uncompounded oil under high-load conditions, borates are widely used EP and anti-wear additives. By building a resilient film caused by inorganic borate spheres interacting with metal load-bearing surfaces, this borate dispersion is able to provide outstanding wear protection and load-carrying capacity. The lubricant becomes very stable due to the small size and low density of the dispersed borate.

Octopol PTB components are listed or not required to be listed on the following: USA TSCA, New Zealand NZIoC, Canadian DSL, Australian AICS, Swiss ChemO, Taiwan TCSI, Chinese IECS, Korean KECl, and the European EINECS.

STORAGE AND HANDLING:

It is recommended that product stored in the warehouse be used on a first-in first-out basis. Containers should be kept tightly closed. Store at 40 – 140 deg. F. Avoid contact with skin and eyes. Use with adequate ventilation. Shelf life expected one year from date of manufacture provided the material is stored at proper temperatures and containers remain tightly closed.

08/2017;01/17t,spg;06/16;07/14;04/13dw;07/12;07/11;12/11;09/09;06/09;11/07;06/06;02/06