PRODUCT INFORMATION

A PRODUCT OF AMERICAN CHEMICAL TECHNOLOGIES, INC.

Neptune AW-10

100% WATER SOLUBLE AND READILY BIODEGRADABLE HYDRAULIC FLUIDS

DESCRIPTION:

This **Neptune AW-10** fluid is a fully synthetic, non-aqueous hydraulic fluid. It can be used in industrial, marine, and mobile equipment, including high-pressure systems, systems with servo valves and all robotics. **Neptune AW-10** fluid is formulated from a high VI, fully synthetic basestock, coupled with a non-metallic additive package that provides the properties demanded by today's high performance hydraulic systems, while at the same time, satisfying the stringent criteria for biodegradability and toxicity. **Neptune AW-10** fluid also has excellent low temperature properties; good shear stability, and is resistant to oxidative and thermal degradation.

Typical physical properties are listed below. The increased performance which **Neptune AW-10** fluid provides results in extended pump service life and reduced downtime along with lower maintenance costs. ***Additional bonus features include:*** non-sludge/varnish forming, high viscosity index, low pour point, excellent heat transfer, low foaming and complete compatibility with commonly used seals, hoses and metals.

If you want to add **Neptune AW-10** fluid to a hydraulic system, call us and we will advise you regarding compatibility/solubility. Most "oil soluble" additives are not soluble in **Neptune AW-10** fluids requiring a thorough and detailed plan prior to conversion. Your ACT representative is also trained and experienced in all aspects of conversion assistance.

TABLE 1

TYPICAL PHYSICAL PROPERTIES

TEST	NEPTUNE AW-10
Viscosity @ 100 °F, SUS	58
Viscosity Index	97
Pour Point, °F	-80ºF
Density (lbs./gal) @ 20 °C	8.08
Flash Point, °F, COC	>392ºF
4-Ball Wear ASTM D-4172 B	0.57 mm

STORAGE AND HANDLING:

We believe **Neptune** fluids have a low degree of hazard when used as intended. They are stable, non-corrosive; high flash point materials that are compatible with nearly all commonly used materials in standard hydraulic systems. As with all products of this type, we recommend that good hygiene practices be observed, including: (1) avoid prolonged skin contact, (2) provide adequate ventilation, (3) do not ingest; and that all OSHA Standards pertaining to products of this type be observed. Refer to American Chemical Technologies' Material Safety Data Sheet for personnel protection, spill and leak procedures, handling and first aid information.

The information contained herein is correct to the best of our knowledge. The recommendations or suggestions contained in this bulletin are made without guarantee or representation as to results. We suggest that you evaluate these recommendations and suggestions in your own laboratory prior to use. Our responsibility for claims arising from breach of warranty, negligence, or otherwise is limited to the purchase price of the material. Freedom to use any patent owned by American Chemical Technologies' or others is not to be inferred from any statement contained herein.