



UCON Fluids and Lubricants

UCON Lubricant 75-H-90,000 and 75-H-90,000, AQ

Product Description

UCON™ Lubricant 75-H-90,000 is a polyalkylene glycol (PAG) containing 75 weight percent oxyethylene and 25 percent oxypropylene groups. UCON™ Lubricant 75-H-90,000 is water soluble below 75°C and has two terminal hydroxyl groups.

UCON™ Lubricant 75-H-90,000 offers exceptional lubricity and cleanliness into many lubricant applications, including textile fiber lubricant, water glycol hydraulic fluid and metal working fluids. Aqueous solution of UCON™ Lubricant 75-H-90,000 exhibits reverse solubility, that is, it is soluble at room temperature but will begin to phase out of solution at elevated temperature. This can be particularly advantageous in the application such as heat treating and quenching, metal working and aqueous thickening.

Product Applications

As a Lubricant:

- Metal Working Fluid
- Textile Lubricant
- Hydraulic Fluid Thickener
- Mandrel Release Agent

Specialty:

- Electronic Chemicals
- Quenching Component
- Chemical Intermediate

Typical Physical Properties *

<u>Property</u>	<u>75-H-90,000</u>	<u>75-H-90,000, AQ</u>
Viscosity, SUS at 100° F	90,000	12,286
cSt at 40° C	17,000	-----
cSt at 0° C	N/A (Solid)	-----
cSt at 100° C	2545	-----
Viscosity Index (VI), ASTM D 2270, IP226	414	-----
Specific Gravity, 20/20° C	1.092	1.090
Water, wt%	0.30 max.	28-32
Color, Gardner	4 max.	2 max.
Number Average Molecular Weight	12,000	-----
Alkalinity, wt%	0.10 max.	-----
Pour Point, °C, ASTM D 97	4.4	< 0
Flash Point, Closed Cup, °C (°F), ASTM D 93	199 (391)	None
Flash Point, Open Cup, °C (°F), ASTM D 92	265 (510)	None
Refractive Index n _D	1.4661	-----
Cloud Point, °C, 10 % aqueous	72 - 77	-----

*Typical properties, not to be construed as specifications

Product Stewardship

Dow encourages its customers and potential users to review their applications from the standpoint of human health and environmental aspects. To help ensure that Dow products are not used in ways for which they are not intended or tested, Dow personnel will assist customers in dealing with environmental and product safety considerations. Dow literature, including Material Safety Data Sheets, should be consulted prior to the use.

For More Information:

North America: toll-free 1-800-447-4369
fax 1-989-832-1465
Europe: toll-free +800 3 694 6367
call +32 3 450 2240
fax +32 3 450 2815
Pacific: call +852 2879 7260
fax +852 2827 5881
Other Areas: call 1-989-823-1560
fax 1-989-832-1465

<http://www.dow.com>

NOTICE: No freedom from any patent owned by Seller or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. Seller assumes no obligation or liability for the information in this document. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.



