

Typical Properties

Appearance	Light Brown Fluid
Color,Gardner	< 7
Viscosity@40°C,cSt	200 - 300
Viscosity@100°C,cSt	35
Copper Corr+	≤ 1b
Sulfur Content (Active),%wt	> 10 (<1)
H ₂ S Test,Acetate Paper Color	< 3
Specific Gravity	0.950
Average Weight,lbs/gal	7.93
Flash Point,°C	> 150
Pour Point,°C	≤ -10
P _B / P _D ++	80 / 250
Load Wear Index ⁺⁺	42
4 Ball Wear(IP239,40kg,1h),mm	0.5
Reichert Test(300N Load),mm ²	1.2
Std Packaging (NW / GW, Kg)	207.0 / 190.0

Product Description

VPS 11 is a light brown liquid with very slight odor and no chlorinated impurities. It is a lubricity- enhancing agent for industrial and metal working formulations, which also provides anti-wear and extreme pressure properties. It does not corrode copper alloys.

VPS 11 is recommended for the formulation of metal working fluids especially when working with copper and its alloys. Its EPS properties are enhanced when combined with Arkema Inc.'s **TPS** products (**TPS 20** is particularly recommended).

Print date: 30-08-25

Disclaimer: Information provided by this website and product page including specifications, applications and formulations are based on tests and data supplied by Smart Oil companies, manufacturers or any of our collaborated companies or suppliers, which are believed to be correct and reliable at the time of writing and data update. However, Smart Oil companies, manufacturers or any of our collaborated companies or suppliers make no warranty or responsibility, express or implied, of any kind regarding products, performance, formulations or applications, as operation conditions and application environments are beyond our control, or products will be modified by action of manufacturers or due to change in market environments. Users are herewith expressly requested to conduct test to determine the suitability of our products or product information before use. Furthermore, we regret that we cannot be responsible for informing customers any changes in specifications, formulations, or other technical contents on this website and product page. Also, We hereby state that all product trademarks other than Smart Oil, including trademarks from our , suppliers are the trademarks belong to the respective companies, or from their sources.