

### FUNCTIONAL V-162 ANTIMISTING ADDITIVE

#### APPLICATION:

**FUNCTIONAL V-162** is an additive for reducing stray misting. It can be formulated into an oil-based cutting oil to reduce the oil mist during use. Unlike some other anti-misting additives, **FUNCTIONAL V-162** does not make the lubricant tacky. Where tackiness is desired, **FUNCTIONAL V-189** is recommended instead. **FUNCTIONAL V-162** may also be used as a tank-side additive to compensate for the loss due to shearing in use or to provide extra anti-misting protection for specific problem equipment.

#### COMPOSITION:

The active ingredient in **FUNCTIONAL V-162** is the particular grade of polyisobutylene selected by the research program at Ford Motor Company and Wayne State University. The diluent oil in **FUNCTIONAL V-162** is light paraffinic oil that permits easy blending. The ingredients of **FUNCTIONAL V-162** are non-hazardous.

Typical Properties	
Specific Gravity	0.86
Lbs per Gallon	7.16
Flash Point	170°C (300°F)
Kinematic Viscosity	600 – 900 cSt @ 40°C
Color	< 4 (ASTM D1500)

#### TREATMENT LEVEL:

Depending on the speed of machining and the viscosity of the cutting oil, treatment levels vary from .02% to 0.10% (200 - 1000 ppm). Most tank-side applications require addition about once per week, although high-severity high-shear applications such as deep boring might require daily replenishment.

#### HANDLING:

Due to the low viscosity of **FUNCTIONAL V-162**, elevated temperature is not necessary. Safe handling precautions are the same as those to be taken with the base oil; see the current Safety Data Sheet.

This Technical Data Sheet and the Safety Data Sheet contain information believed to be accurate and reliable. No warranty is made, however, to information beyond the control of FUNCTIONAL PRODUCTS INC. The engineering and management personnel of the user are responsible for determining the suitability of this or any product for any specific application, and this information is offered to them for that purpose.

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