

FUNCTIONAL V-425

THICKENER / TACKIFIER for FOOD-GRADE LUBRICANTS

APPLICATION:

FUNCTIONAL V-425 is a thickener and tackifier used in greases and fluid lubricants intended for use in food-processing equipment. It also controls misting of these lubricants. **FUNCTIONAL V-425** has been approved by the U.S.D.A. for lubricants with incidental food contact (21 CFR 178.3570). This additive does not degrade at high temperatures, as would a poly isobutylene.

COMPOSITION:

The active polymer in **FUNCTIONAL V-425** is an ethylene-propylene copolymer approved for use in food-grade lubricants. The diluent oil is an FDA-approved white mineral oil.

| Typical properties | |
|---------------------|----------------------------|
| Specific Gravity | 0.84 |
| Lbs per Gallon | 7.00 |
| Flash Point | 150 °C (300 °F) |
| Kinematic Viscosity | 2000-4000 cSt at 100 °C |
| Color | water-white to pale yellow |

TREATMENT LEVEL:

Typical treatment levels are 0.5-1.0% for mist control or tackiness, or up to 10% for viscosity modification.

HANDLING:

Due to the viscosity of **FUNCTIONAL V-425**, elevated temperature can be useful, and heating to approximately 150°F (65°C) can simplify handling. Safe handling precautions are the same as those to be taken with the base oil; see the current Material Safety Data Sheet.



Nonfood Compounds
Program Listed
Category Codes: HX-1 and HX-2
Registration No. **120905**

This Technical Data Sheet and the Material 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.

5/7/2008