

CRYSTEX® AF OILS

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Date 02/08

- DESCRIPTION:** Crystex AF Oils are technical-grade white mineral oils with the highest purity, and are stabilized with Vitamin E oxidation inhibitor. They are specifically designed as processing aids for animal feeds and mineral supplements.
- QUALITIES:** Crystex AF Oils meet or surpass the requirements of the U.S. FDA regulation CFR 573.680, oils that may be safely used in animal feed applications. They will not develop rancidity or in any way affect the quality of the animal feed or mineral supplement.  
 Crystex AF Oils production is audited by the office of the Texas State Chemist and meets all requirements of the Commercial Feed Control Act and rules.
- APPLICATIONS:** Crystex AF Oils may be used as a component of animal feed to reduce dusting, to serve as lubricant and moisture barrier in the preparation of pellets, cubes, or blocks, and to prevent segregation of trace mineralized salt. They also act as a lubricant and rust preventive for machinery and other equipment used for processing animal feed.  
 These oils may be used up to 3.0 percent in mineral supplements and up to 0.06 percent (600 ppm) of the total ration in feed or feed concentrates.

**TYPICAL PROPERTIES:**

**CRYSTEX AF OILS**

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|                                       | <b>AF-L</b> | <b>AF-M</b> |
|---------------------------------------|-------------|-------------|
| Material Code                         | 42034       | 42002       |
| Gravity, ASTM D 4052, °API            | 32.5        | 33.7        |
| Specific Gravity at 25°C, ASTM D 1298 | 0.858       | 0.851       |
| Flash Point, ASTM D 92, °F (°C)       | 360 (182)   | 375 (190)   |
| Pour Point, ASTM D 97, °F (°C)        | +10 (-12)   | +10 (-12)   |
| Viscosity, ASTM D 445, cSt, at 40°C   | 13.9        | 15.6        |
| ASTM D 2161, SUS at 100°F             | 73          | 85          |
| SUS at 210°F                          | 36          | 38          |
| Color, Saybolt, ASTM D 156, minimum   | +20         | +20         |
| FDA, 21 CFR                           |             |             |
| 572.680                               | ✓           | ✓           |
| 178.3620 (b)                          | ✓           | ✓           |