

PURShield™

CUT THE COST, NOT THE QUALITY.

"YOU CAN TAKE IT TO THE LAB."

WHITE MINERAL OIL FM FOOD GRADE NSF H-1



DESCRIPTION

PURUS® PURShield™ White Mineral Oil FM series is a clear and bright high purity white mineral oil based on severely hydrocracked, isodewaxed base oil. It is odourless and tasteless and contains no natural products from animals, nuts or genetically modified organisms (GMO). The oils are formulated to meet FDA 21 CFR 172.878 and FDA 21 CFR 178.3620(a) requirements. Meets the following specifications:



	NSF H1	NSF 3H	FDA 21 CFR 172.878	FDA 21 CFR 178.3620(a)	Kosher	Halal
FM70	✓	✓	✓	✓	✓	✓
FM90	✓	✓	✓	✓	✓	✓

APPLICATIONS*

RECOMMENDED APPLICATIONS:

- Coatings for fruits and vegetables, all bakery applications, cutting knives, meat boards and trays
- Release agents
- Dust control agent for agriculture applications**
- All areas of lubrication and oil spray-down for rust prevention
- Applications where contact with a food, drug, cosmetic or beverage product is possible

* To assure proper lubricant selection, please consult your PURUS PURShield representative.

**Applied amount should not exceed limit specified in FDA 21 CFR 178.878

PERFORMANCE BENEFITS

FEATURES:

- Meets all key FDA food contact requirements
- NSF Registered
- Meets NF and USP standards
- Certified Halal
- Certified Kosher

BENEFITS:

- Prevents rust and lubricates food processing machinery.
- Excellent release agent.
- Suitable for use where vegetarian and nut-free food is prepared.
- Good pelletizing aid and drug processing agent.

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TYPICAL PROPERTIES

TEST METHOD

FM70

FM90

ISO Grade	-	10	15
Viscosity cSt @ 40° C	ASTM D-445	12.0	16.4
Viscosity SUS @ 100° F	ASTM D-1744	70	88
Specific Gravity @ 60°F/15.6° C	ASTM D-4052	0.849	0.852
Density, lb/gallon	-	7.08	7.10
Flash Point, °C	ASTM D-92	186	198
Color, Saybolt	ASTM D-156	+30	+30
Saturates, Wt. %	ASTM D-1159	>99.9	>99.9
Pour Point, °C	ASTM D-97	-28	-17
Readily Carbonized Substances	ASTM D565	Pass	Pass

Products contain less than 20 ppm vitamin E

*Due to continual product research and development, the information contained herein is based on products purchased in the U.S. and subject to change without notification. Typical properties may vary slightly. Minor variations in product typical test data are to be expected in normal manufacturing.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all of our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either AIOD or its affiliates for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult your local AIOD Distributor if you require any further information.

HEALTH AND SAFETY

Based on available information, FM70 and FM90 are non-toxic, non-hazardous products that are not expected to cause any adverse health effects when used as designed. Users are advised to follow the recommendations provided in the SDS.

	5 GALLON PAIL	55 GALLON DRUM	275 GALLON TOTE	330 GALLON TOTE
FM70	PPS27389	PPS17389	PPS57389	PPS77389
FM90	PPS27390	PPS17390	PPS57390	PPS77390