

DUOPRIME® DS OILS

Date 02/08

DESCRIPTION: Duoprime DS Oils are produced using severe hydrotreating of select feedstocks to produce food grade white mineral oils with the highest degree of purity. Vitamin E is used as a stabilizer. They are specifically designed for dust suppression in all grain handling operations.

QUALITIES: Duoprime DS Oils exceed requirements set forth in the U.S. FDA regulation 21 CFR 172.878 for use in or on food for human consumption, and meet the current standards of the National Formulary (NF).

Duoprime DS Oils are certified as Kosher (passover) with the Union of Orthodox Jewish Congregations of America®.

Duoprime DS Oils have good low temperature flow characteristics, and will retain their dust suppression ability through several grain handling operations. They will not develop rancidity or in any way affect the quality of the grain. They have no adverse effects on mechanical devices used in the grain handling operation.

APPLICATIONS: Duoprime DS Oils can be applied to all grains at a rate of 4 to 6 quarts per 1,000 bushels for cost effective dust suppression.

TYPICAL PROPERTIES:

DUOPRIME DS OILS

	DS-L	DS-M
Material Code	42019	42021
Gravity, ASTM D 4052, °API	32.5	33.3
Specific Gravity at 25°C, ASTM D 1298	0.858	0.854
Flash Point, ASTM D 92, °F (°C)	360 (182)	375 (190)
Pour Point, ASTM D 97, °F (°C)	-10 (-23)	+10 (-12)
Viscosity, ASTM D 445, cSt, at 40°C	12.3	16
ASTM D 2161, SUS at 100°F	71	86
SUS at 210°F	36.5	38.0
Color, Saybolt, ASTM D 156	+30	+30
FDA 21 CFR 172.878	✓	✓
Kosher	Yes	Yes
USP/NF	NF	NF

Note: Duoprime DS Oils are colorless (Saybolt +30 Color), odorless and tasteless and surpass requirements of FDA and the current standards of the National Formulary (NF) for Neutrality, Sulfur Compounds, Solid Paraffins, Readily Carbonizable Substances, Limit of Polynuclear Compounds (UV test) and Residual Solvents.

SCHUMANN / STEIER, INC.