

ULTRA-KLEEN™ FOOD GRADE SLITTER KNIFE OIL

 Lubricants for a Healthier Planet™

Ultra-Kleen™ Food Grade Slitter Knife Oil is a food grade lubricant designed to prevent starch and glue build-up on containerboard and paper slitter knife and rotary shear applications. **Ultra-Kleen Food Grade Slitter Knife Oil** is proven in line rates of up to 1500 FPM. **Ultra-Kleen Food Grade Slitter Knife Oil** is also recommended for ALL paper, containerboard, and textile operations wherever non-staining, low odor, water-white, and non-toxic slitter knife lubricants are required.

All ingredients in **Ultra-Kleen Food Grade Slitter Knife Oil** are listed substances generally recognized as safe (GRAS) or substances used in accordance with the provisions of a prior sanction or approval permitted under the rules of the U.S. Food and Drug Administration 21 CFR 178.3570 for lubricants with incidental food contact.

NSF Nonfood Compounds H1 Registered: See Product Attribute Table

ISO 21469 Certification: See Product Attribute Table

Kosher and Pareve Certified



TYPICAL APPLICATIONS INCLUDE:

Shearing Knives	Scorers	Ring Twisters
Containerboard Machinery	Textile Machinery	Packaging Machinery

PRODUCT ATTRIBUTE	TEST METHOD	TYPICAL PROPERTIES			
ISO Grade	ASTM D2422	22	32	46	68
NSF NFC Registration Number		141439	153649	--	--
ISO 21469 Certified		Y	Y	--	--
Kinematic Viscosity, cSt @ 40°C	ASTM D445	22	32	46	68
Kinematic Viscosity, cSt @ 100°C	ASTM D445	4.04	5.3	6.5	8.4
Density, lb/gal @ 60°F	ASTM D1298	7.18	7.2	7.23	7.26
Density, g/ml @ 15.5°C	ASTM D1298	0.861	0.864	0.868	0.873
Flash Point, °F (°C)	ASTM D92	370 (188)	375 (190)	420 (216)	435 (224)
Oxidation Stability, Hr	ASTM D943	>4,000	>4000	>4,000	>4,000
Demulsibility, oil/water/emul (mL)	ASTM D1401	40-40-0	40-40-0	40-40-0	40-40-0
Demulsibility, time (min)	ASTM D1401	5	5	5	5
Total Acid Number	ASTM D974	0.01	0.01	0.01	0.01
Color	ASTM D1500	<0.5	<0.5	<0.5	<0.5
Appearance		Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright

PRODUCT ATTRIBUTE	TEST METHOD	TYPICAL PROPERTIES		
ISO Grade	ASTM D2422	100	220	460
NSF NFC Registration Number		153650	--	153651
ISO 21469 Certified		Y	--	Y
Kinematic Viscosity, cSt @ 40°C	ASTM D445	100	220	460
Kinematic Viscosity, cSt @ 100°C	ASTM D445	10.5	18.7	30.5
Density, lb/gal @ 60°F	ASTM D1298	7.30	7.33	7.37
Density, g/ml @ 15.5°C	ASTM D1298	0.876	0.880	0.886
Flash Point, °F (°C)	ASTM D92	450 (232)	470 (243)	480 (249)
Oxidation Stability, Hr	ASTM D943	>4,000	>4,000	>4,000
Demulsibility, oil/water/emul (mL)	ASTM D1401	40-40-0	40-40-0	40-40-0
Demulsibility, time (min)	ASTM D1401	10	10	10
Total Acid Number	ASTM D974	0.01	0.01	0.01
Color	ASTM D1500	<0.5	<0.5	<0.5
Appearance		Clear & Bright	Clear & Bright	Clear & Bright

Ultra-Kleen Food Grade Slitter Knife Oil does NOT contain any ingredient with the following allergenic, sensitizing components or allergenic proteins or substances listed in the table below:

Animal Products including Enzymes, Fats or Proteins	Genetically Modified Organisms (GMO)
Eggs	Fish
Peanuts	Soybeans and Products Thereof
Sulfites	Dairy/derivatives
Wheat	Tree Nuts
Gluten (wheat, rye, barley, oats, spelt, kamut)	Shellfish/Crustaceans/Mollusks
Sesame and Products Thereof	Lupine
Mustard and Products Thereof	Celery
Carmines/Cochineal	BHA, butylated hydroxyanisole
MSG, monosodium glutamate	BHT, butylated hydroxytoluene
TBHQ, tertiary butylhydroquinone	Hydrolyzed Vegetable Protein (HVP)
Autolyzed Yeast	Artificial Flavors
FD&C Color	Saccharin

WARRANTY:

When properly stored and used in accordance with instructions, any material not satisfactory will be replaced with any product in our line on a dollar for dollar basis provided the account is paid in full when due and Hydrotex is notified in writing within 12 months of the date of the order by the customer.

Hydrotex® is a manufacturer and distributor of high performance lubricant and fuel improver solutions. As an employee owned company, we help our customers develop sustainable solutions designed to improve system reliability, save energy, limit pollution, extend fixed asset life, reduce maintenance costs and improve fuel efficiency. Our products and services leverage over 80 years of innovation resulting in superior lubrication solutions and high touch customer service.