

Ultra-Kleen™ 857 HyTemp™ Food Grade Chain Lubricant

Ultra-Kleen™ 857 HyTemp™ Food Grade Chain Lubricant delivers an advanced additive system including white solid lubricant penetrating between pins and rollers to protect against wear and corrosion in extreme temperatures ranging from -22°F to 1202°F. Designed for versatile use in both wet and dry film conditions, the biosynthetic esters eliminate carbon residue on chains leaving behind only the solid lubricant at extreme high temperatures.

All ingredients in **Ultra-Kleen 857 HyTemp Food Grade Chain Lubricant** 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:

Bakery Oven Chains	Tenter Frame Chains	Heat Treating Chains	Paint Curing Ovens
Drying Oven Chains	Conveyor and Hoist Chains	Roller and Drive Chains	Kiln Rollers

PRODUCT ATTRIBUTE	TEST METHOD	TYPICAL PROPERTIES
ISO Grade	ASTM D2422	220
NSF NFC Registration Number		145610
ISO 21469 Certified		Y
Lower Service Temperature, °F (°C)		-22 (-30)
Wet/Dry Film Transition Range, °F (°C)		662 to 752 (350 to 400)
Upper Service Temperature, °F (°C)		1202 (650)
Kinematic Viscosity, cSt @ 40°C	ASTM D445	220
Kinematic Viscosity, cSt @ 100°C	ASTM D445	25.3
Viscosity Index	ASTM D2270	146
Density, lb/gal @ 60°F	ASTM D1298	8.42
Density, kg/L @ 15.5°C	ASTM D1298	1.01
Pour Point °F (°C)	ASTM D97	-33 (-36)
Flash Point °F (°C)	ASTM D92	518 (270)
Rust Test, Distilled Water	ASTM D665	Pass
Copper Strip Corrosion, 24 hr @ 100°C	ASTM D4048	1a
4-Ball Wear, scar diameter, mm	ASTM D2266	0.38
Biodegradability, %	OECD 301B	58
Renewable Carbon Content, %	ASTM D6866	58
Appearance		Translucent White

Application Notes:

- Ultra-Kleen 857 HyTemp Food Grade Chain Lubricant can be applied by brush or centralized lubricating devices. Solids settle during storage, shake well or agitate before use. In centralized lubricating devices we recommend to have a propeller stirrer in the lubricant reservoir to stir the lubricant before each application.
- Relubrication should ideally be performed at chain temperatures below 350 °F to ensure penetration of the product in the friction points of the chains and to avoid excessive smoke generation. If chain temperature cannot be lowered for application, apply at coolest point in the chain and ensure adequate ventilation to capture the smoke.
- For use as a dry film lubricant at chain temperatures above 650°F, bring chain to the operating temperature following application to ensure sufficient evaporation of the oil before starting production of foodstuffs.
- Application rate and relubrication intervals must be established for each application. Please contact your Hydrotex representative or our Technical Response Team to determine the optimal solution for your application.

Ultra-Kleen 857 HyTemp Food Grade Chain Lubricant 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
Carmine/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.