

## Ultra-Kleen™ 557 FOOD GRADE GREASE

 Lubricants for a Healthier Planet™

All ingredients in **Ultra-Kleen 557 Food Grade Grease** 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**



| PRODUCT ATTRIBUTE                                                     | TEST METHOD | TYPICAL PROPERTIES |           |
|-----------------------------------------------------------------------|-------------|--------------------|-----------|
| Thickener Type                                                        |             | Aluminum Complex   |           |
| Color                                                                 |             | Translucent White  |           |
| NLGI Grade                                                            | ASTM D217   | 2                  | 1         |
| NSF NFC Registration Number                                           |             | NF165043           | Pending   |
| ISO 21469 Certified                                                   |             | Y                  | Pending   |
| ISO Classification                                                    | ISO 6743-9  | LX-CDHB2           | --        |
| DIN Classification                                                    | DIN 51825   | KPF2N-30L          | --        |
| Low Temperature Limit, °F (°C)                                        |             | -22 (-30)          | -22 (-30) |
| High Temperature Limit, °F (°C)                                       |             | 266 (130)          | --        |
| Worked Penetration, 1/10 <sup>th</sup> mm                             | ASTM D217   | 280                | 325       |
| Density, kg/l @ 15.5°C                                                |             | 0.88               | 0.87      |
| Base Oil Viscosity, cSt @ 40°C                                        | ASTM D445   | 220                | 220       |
| Base Oil Viscosity, cSt @ 100°C                                       | ASTM D445   | 22                 | 22        |
| Viscosity Index                                                       | ASTM D2270  | 121                | 121       |
| 4-Ball EP, Weld Point, kgf                                            | ASTM D2596  | 400                | 400       |
| 4-Ball EP, Load Wear Index, kgf                                       | ASTM D2596  | 55                 | 55        |
| 4-Ball Wear, scar diameter, mm                                        | ASTM D2266  | 0.55               | 0.55      |
| Lincoln Ventmeter Test, psi @ 72°F                                    | OEM Method  | 600                | 425       |
| Lincoln Ventmeter Test, psi @ 30°F                                    | OEM Method  | 1000               | 700       |
| Lincoln Ventmeter Test, psi @ 0°F                                     | OEM Method  | 1800               | 1600      |
| Dropping Point, °F (°C)                                               | ASTM D2265  | 554 (290)          | 536 (280) |
| PDSC Oxidation Induction Time, min @ 185°C and 500 psi O <sub>2</sub> | ASTM D5483  | 120+               | 120+      |
| Copper Corrosion, 24hr @ 100°C                                        | ASTM D4048  | 1b                 | 1b        |
| Rust Test, Distilled Water                                            | ASTM D1743  | Pass               | Pass      |
| EMCOR Rust Test, Distilled Water                                      | ASTM D6138  | 1                  | --        |
| Water Wash-Out, % Loss @ 175 °F                                       | ASTM D1264  | 2.5                | --        |
| Water Spray-Off, % Loss                                               | ASTM D4049  | 2.5                | 15        |
| Oil Separation, % Loss                                                | ASTM D1742  | 1                  | --        |
| Tackiness Index, Work/Elongation                                      | Hydrotex    | 14/20              | 5/15      |

**Ultra-Kleen 557 Food Grade Grease** 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.