**Signal Tech FG Lubricants**

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| Product Application: |

Signal Tech FG Lubricants are food grade premium industrial grade synthetic H1 lubricants developed for use where food grade lubricants are required where incidental food contact may occur.

Signal Tech FG Lubricants possess excellent anti-wear hydraulic properties and multi-purpose lubricant qualities in machines used in food and beverage manufacturing and processing.

Signal Tech FG Lubricants meets the requirements for a USA H-1 quality lubricant and the requirements of the United States Code of Federal Regulations 21 CFR 178.3570, 178.3620(b), and 573.680 of the United States Food and Drug Administration’s Regulations and meets NSF International guidelines for use as a lubricant with incidental contact (H1) in and around food processing areas.

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| Package Size: |

2.5 gallon containers, 5 gallon Pails, 55 gallon Drums

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| Meets or Exceeds the following specifications: |

NSF H1 Cincinnati Machine P-68, P-70

Krones U.S. Steel 127, 136 / German Steel SEB 181222

Kosher DIN 51506

FMC GE Turbine Specs (GEK 32568E (ISO 32) & GEK28143A)

David Brown Denison HF-01, HF-1, HF-2

Buehler Utzwil ISO 11158;1997, Family H, Type HM

GEA Niro atomisors Bosch Rexroth RE 90220, Type HLP

Halal Eaton Vickers 1-286-s, M-2950, 35VQ25A

FAG British Standard BS 489

DIN 51524 HLP Siemens TLV 9013

DIN 51524 HVLP (except HF 15)

ISO 6743-4 L-HM (HF 15), L-HV

Westfalia Food Tec

Hawe Hydraulic Pumps

Hoegger Alphina hydraulic pumps

Stork Food and Dairy Systems (CASSIDA FLUID HF 15-100)

Gregoire (A Kverneland Group Company) for their harvesting machinery

Piller Industrieventilatoren GmbH (CASSIDA FLUID HF 46)

Ferrum (can seamer CASSIDA FLUID HF 100)

Mannesmann Rexroth (for axial piston pumps)

Poclain-Hydraulics (CASSIDA FLUID HF 32-68)

DIN 51517 CLP (HF 68, HF 100)

GEA Niro atomisors (CASSIDA FLUID HF 32-68)

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| Typical Characteristics:  |

ISO Viscosity Grade **32 46 68 100 150 220 320 460**

Viscosity ASTM D 445

 cSt @ 40°C 31.0 45.0 67.0 100 162 222 311 458

 cSt @ 100°C 5.7 7.2 9.8 14.1 20.7 24.5 32.7 43.6

Viscosity Index ASTM D 2270 126 134 132 140 150 139 147 148

Copper Corrosion 1A 1A 1A 1A 1A 1B 1B 1B

Four-Ball Wear Test .45 .45 .45 .45 .45 .45 .45 .45

Foaming ASTM D892 NIL NIL NIL NIL NIL NIL NIL NIL

Flash Point, °C ASTM D92 244 244 258 270 226 274 284 294

Pour Point, °C ASTM D97 -55 -55 -45 -45 -45 -40 -40 -40