

# CASSIDA Food Grade Lubricants

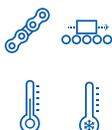
## Product Overview and Application Guide

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# Overview of CASSIDA Products

| Application  | Symbol  | Product   | Benefits  |
|--|---|---|---|
| <b>Bearings – rolling element</b><br>Regular load  |    | CASSIDA GREASE RLS Series                         | Multipurpose lubricant for regularly loaded bearings, good adhesive properties and water resistance   |
|  |   | FM GREASE 387                                     | Good anti-corrosion properties and water resistance   |
|  |   | FM GREASE CLEAR Series                            | Clear / translucent   |
| <b>Bearings – rolling element</b><br>Extreme pressure  |    | CASSIDA GREASE EPS Series                         | Outstanding protection against wear and rust  |
|  |   | CASSIDA GREASE GTS 2                              | Calcium sulfonate complex multipurpose grease suitable for bearings under extreme conditions and/or high speed  |
|  |   | FM GREASE AX/EP Series<br>FM GREASE CSC EP Series | Outstanding protection against wear and rust<br>Excellent protection against wear and corrosion. Excellent water tolerance  |
| <b>Bearings – rolling element</b><br>Heavy duty  |    | CASSIDA GREASE HDS 2                              | Protection for heavily loaded or slow-moving bearings with excellent water resistance   |
|  |   | CASSIDA GREASE GTX 2                              | Calcium sulfonate complex grease for heavily loaded or slow-moving bearings   |
|  |   | FM GREASE 2                                       | Protection for heavily loaded or slow-moving bearings with excellent water resistance   |
| <b>Bearings – rolling element</b><br>High temperature  |    | CASSIDA GREASE HTS 2                              | High operating temperature, contains PTFE, operating temperature up to +392°F / 200°C (peak up to +428°F / 220°C)   |
|  |   | CASSIDA GREASE FC 1 & 2                           | Fully synthetic, high-performance, high-temperature greases for the fill-for-life lubrication of bearings and seals used in extreme temperatures and/or aggressive environments. Temperature range – 25°C to +260°C (-13°F to +500°F) , Short term peak +280°C (+536°F) |
| <b>Bearings – rolling element</b><br>Low temperature   |    | CASSIDA GREASE LTS 1                              | Operating temperature down to –58°F / –50°C   |
| <b>Can seamer lubrication systems and gearboxes</b><br><b>Can seamer lubrication system, Ferrum</b><br><b>Can seamer lubrication systems, PS Angelus</b> |    | CASSIDA FLUID GLE Series                          | Keeps machine clean and protects against wear and corrosion   |
|  |   | CASSIDA FLUID CR 100                              | Keeps machine clean and protects against wear and corrosion   |
|  |   | FM GEAR OIL TLS 150                               | White mineral oil fluid for enhanced performance for total loss systems   |
|  |   | FM SEAMER OIL 150                                 | White mineral oil fluid for enhanced performance for total loss systems   |
| <b>Can seamer roll head bearings</b><br>(grease lubricated)  |  | CASSIDA GREASE RLS 1                              | Protects against wear and corrosion; good resistance to water washout   |
| <b>Chains and conveyors</b>  |  | CASSIDA CHAIN OIL Series                          | Fully synthetic PAO chain oil, outstanding adhesion to metal surfaces and excellent water resistance  |
|  |   | CASSIDA CHAIN OIL LT                              | Fully synthetic PAO chain oil, operating temperature down to –58°F / –50°C  |
|  |   | CASSIDA CHAIN OIL HT 220                          | Fully synthetic Ester, high-temperature chain oil for bakeries (up to +464°F / +240°C)  |
|  |   | CASSIDA CHAIN OIL PG 130 NA   220 NA              | Fully synthetic PAG, high-temperature chain oil   |
|  |   | FM CHAIN OIL 100                                  | Excellent adhesion, resists fling-off, and high water resistance  |
| <b>Compressors – rotary vane and screw</b>   |  | CASSIDA FLUID CR Series                           | Longer oil change intervals with less wear; does not add odor to compressed air   |
|  |   | CASSIDA FLUID CRE 46                              | Advanced synthetic compressor lubricant for food manufacturing machinery  |
| <b>Gears – enclosed</b><br>Helical – spur<br>Bevel – worm  |  | CASSIDA FLUID GL Series                           | Excellent load-carrying properties for a wide range of applications   |
|  |   | CASSIDA FLUID PAG Series                          | Specialty worm gear oils, improved gear efficiency  |
|  |   | CASSIDA GREASE EPS 00                             | Excellent adhesive qualities – reduces leaks from gearbox   |
|  |   | CASSIDA GREASE SGG 000                            | Maximum performance – reduces leaks from gearbox  |
|  |   | FM GEAR OIL Series                                | Fully formulated gear oil   |

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|--|---|--|---|
| General-purpose machine oil  |  | FM FLUID RO Series                                 | Excellent corrosion prevention  |
| Gears – open   |  | CASSIDA GREASE HDS 00                              | Excellent adhesion and water resistance   |
| Heat transfer  |  | FM HEAT TRANSFER FLUID 32                          | Enhanced formulation. Excellent thermal stability, optimum fluid life   |
| Hydraulics   |  | CASSIDA FLUID HF Series<br>FM HYDRAULIC OIL Series | Long oil life, excellent filterability giving a cleaner system and longer equipment life<br>Fully formulated hydraulic oil  |
| Air-line lubrication   |  | FM AIR LUBE AA                                     | Air-line lubrication, designed to keep lines clean and free of condensate   |
| Maintenance sprays:<br>▪ Silicone fluid<br>▪ General-purpose penetrating lubricant |  | CASSIDA SILICONE FLUID SPRAY<br>FM KRYSTALL        | A quick-dry spray to give dry film lubrication on conveyor belts and light machinery<br>Outstanding performance, enhanced bearing life  |
| Refrigeration compressors – ammonia  |  | CASSIDA FLUID RF Series                            | High-performance fluid, compatible with ammonia and other commonly used refrigeration gases   |
| Slideways, linkages, and pins  |  | CASSIDA GREASE HDS 2<br>CASSIDA GREASE GTX 2       | Protection for heavily loaded or slow-moving bearings for long equipment life<br>Calcium sulfonate complex grease – excellent corrosion protection  |
| Vacuum pumps   |  | CASSIDA FLUID VP Series                            | Extended oil drain intervals, good low-temperature characteristics, excellent anti-wear performance   |
| Valves, taps and fittings  |  | CASSIDA GREASE MD 2                                | Lubrication of all sorts of taps, flow meters and fittings with EPDM (ethylene-propylene-diene rubber) seals, used for the handling of water, drinks and beer, including drum-filling inflow valves; provides high resistance against chemicals |

- Additional products for specialized applications available on request.

**CASSIDA:** Fully synthetic products | **CASSIDA FM:** Semi-synthetic or white mineral oil based products | Production facility certified by NSF for ISO 21469 | Components approved by the US FDA for incidental contact with food | Registered by NSF International as Class H1 | Meets former USDA H1 requirements | Certified for use in Kosher and Halal food-manufacturing processes

This table is a guide only. Contact FUCHS LUBRITECH to confirm product recommendations. This brochure was correct on the date of printing. Subject to change without notice.

## Innovative lubricants need experienced application engineers

Every lubricant change should be preceded by expert consultation on the application in question. Only then the best lubricant system can be selected. Experienced FUCHS engineers will be glad to advise on products for the application in question and also on our full range of lubricants.



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