



# Matrix bv

specialty lubricants



FOOD INDUSTRY



## Foodmax® Lubricants & Greases

Matrix Specialty Lubricants has a very extensive line of H1 approved lubricants and greases. Most products are both NSF as well as InS approved. Due to the complete line as well as the outstanding performance a complete food processing plant can be lubricated.



## INDEX

	Page
● Hydraulic lubricants	3
● Gear lubricants	3
● Air compressor & vacuum pump	3
● Chain lubricants	3
● Evolution of food grade Greases	4
● Foodmax Greases	5
● Assembly pastes	6
● General lubrication	6
● Miscellaneous food grade	6
● Foodmax® spray cans	7
● Miscellaneous non food grade	7



## Hydraulic

Application point	Product	Characteristics
Hydraulic systems and airline lubrication	<b>Foodmax® AW 22-100</b>	This non-toxic multipurpose lubricating oil is suitable for applications where incidental contact with food or raw materials during the production is possible. Also suitable for the processing industry
High performance hydraulic lubrication	<b>Foodmax® AW PAO 32-100</b>	A range with hydraulic oil, general lubrication products and anticorrosive protection oil. Can be used for applications in the manufacturing process in the food production and processing industry
Fire resistant hydraulic fluid	<b>Foodmax®FRF</b>	A fire resistant non toxic fluid suitable for all hydraulic systems which in case of leakage are exposed to ignition sources Food Safe & Fire Safe

## Gear oil

Application point	Product	Characteristics
Gears, bearings and transmissions	<b>Foodmax® Gear PAG 220-460</b>	Lubricants for heavy loaded gears, transmissions and bearings. High temperature resistance
Gears, bearings and transmissions	<b>Foodmax® Gear 150-460</b>	Lubricants for gears, transmissions and bearings. Also suited for conical and helical gears, chains, screws, joints and in general any application requiring a viscosity from ISO 150, 220, 320 and 460

## Air compressor & Vacuum pumps

Application point	Product	Characteristics
All kind of air compressors and vacuum pumps	<b>Foodmax® Air</b>	InS and NSF H1 approved full synthetic food grade air compressor and vacuum pump fluid. Can be used safely in all kind of compressors due to its great performance characteristics

## Chain lubricants

Application point	Product	Characteristics
Gearboxes and chains	<b>Foodmax® Chain</b>	Synthetic food grade oil particularly suited for the lubrication of drive chains, gearboxes and reduction units designed for an ISO 220 gearbox oil
Chains, slides and moulds used in the sugar industry	<b>Mammut oil 25</b>	A food safe product for dissolving sugar from chains, slides and moulds, developed specially for the convectionary market. The product also is rust preventing and easy to rinse off
Chains and conveyors used in high temperature environments	<b>Foodmax® Chain HT</b>	High temperature food grade chain oil up to 280 C. Suitable for fe bakery ovens etc.

## Food Grade Greases Evolution

1st generation food grade greases were formulated to meet the H1 standards

2nd generation food grade greases were formulated to meet H1 standards and basic technical requirements

**Foodmax Grease ALU M**  
**Foodmax Grease ASP**

Last generation food grade greases are formulated to outperform industrial greases and meet H1 requirements

**Foodmax Grease CAS series**

**Foodmax Grease CAS** is state of the art.  
Outperforms most industrial greases.

## Greases

Application point	Product	Characteristics
Bearings and slides in a very humid environment, and high temperature exposure.	<b>Foodmax® CAS M2</b>	Premium food grade grease based on calcium sulphanate technology. Suited for general mechanisms and bearings, high resistance to water action and loads. Highest performing grease for food plants
Bearings and slides in a very humid environment, and high temperature exposure. Low speed applications.	<b>Foodmax® CAS S2 LS</b>	Premium food grade grease based on calcium sulphanate technology. Suited for general mechanisms and bearings, high resistance to water action and loads. Highest performing grease for food plants
Bearings and slides in a very humid environment, and high temperature exposure. High speed applications.	<b>Foodmax® CAS S2 HS</b>	Premium food grade grease based on calcium sulphanate technology. Suited for general mechanisms and bearings, high resistance to water action and load. PAO base High Viscosity Base oil for low speed applications. Highest performing grease for food plants
Bearings and slides in a humid environment and high temperature exposure.	<b>Foodmax® Grease ALU-M 00, 0, 1, 2</b>	A range of aluminum complex based greases designed for the lubrications of almost any application which requires a food grade lubricant. General lubricating grease for food plants
Bearings and slides in a humid environment and high temperature exposure.	<b>Foodmax® Grease ASP 2</b>	Aluminum complex based grease designed for the lubrications of almost any application which requires a food grade lubricant. Higher performance grease for food plants
Bearings and slides where clean operation is required	<b>Foodmax® Grease Clear 2</b>	A clear (transparent) grease which is suitable for the lubrication of plain or rolling element bearings in food processing plants. Has a good performance in the presence of water
Bearings and slides where a high performance grease is required. Humid environment, high temperature high load	<b>Foodmax® Grease HP 2-3</b>	A non-toxic grease, perfect for use in food processing and pharmaceutical industry. The aluminum complex thickener provides excellent adherence to metal and the product has a high temperature operating range
Bearings and slides where low temperature properties are required	<b>Foodmax® Grease LT 2</b>	Specially developed product for applications with low temperature characteristics. Used for the lubrication of bearings and other applications in cold-store plants and freezing chambers
Multi purpose	<b>Foodmax® Grease TF-S</b>	The TF-S grease contains PTFE solid lubricants, which reduce the friction coefficient, and provide lubrication under almost all circumstances
All (sliding) bearings or joints exposed to extreme high temperatures or aggressive conditions	<b>Foodmax® Grease Fluor HT 2</b>	Non-flammable white grease developed from a perfluoralkyl-polyether oil. Totally inert physically and chemically by all kind of liquid or gaseous products
Water taps	<b>Foodmax® Grease SI-000, 0/00, 1, 3</b>	A very adherent silicon grease, designed to provide perfect sealing in taps
Water taps and bearings and slides	<b>Foodmax® Grease SIHP</b>	A high performance food grade grease consisting of an inorganic soap and silicon fluid. Developed for applications which are exposed to chemicals, water resistance and temperature variations



## Paste

Application point	Product	Characteristics
Bolt, nuts and all other machine parts	<b>Foodmax® Assembly paste</b>	White, non-toxic grease-like compound with a high solid lubricant content designed to prevent damage during startup and protect against premature wear during the running-in period

## General lubrication

Application point	Product	Characteristics
Multipurpose	<b>Foodmax® AW 22-100</b>	This non-toxic multipurpose lubricating oil is suitable for applications where incidental contact with food or raw materials during the production is possible. Also suitable for the processing industry
All lubricant points	<b>Foodmax® Basic 15, 22, 68</b>	Paraffin food grade oil for general purposes. Gives excellent results in the textile, knitwear, food and tin industry whenever very high cleanliness is requested

## Miscellaneous food grade

Application point	Product	Characteristics
Dough divider	<b>Foodmax® DDO</b>	Non-toxic and biodegradable oil produced from highly refined vegetable base oil and special additives to warrant a trouble free operation when used as a dough divider oil
Heat transfer systems	<b>Foodmax® HTF (Heat Transfer Fluid)</b>	Foodmax® HTF are made with food grade synthetic base fluids. They provide an exceptional performance in a number of food related heat transfer applications
HVAC systems	<b>Foodmax® Heatflow</b>	Propylene glycol based specialist fluid providing excellent performance in heat transfer systems, food industry chilling and freezing systems
Water repellant	<b>Foodmax® Silicon 100 &amp; 10000</b>	Special fluids developed to lubricate applications which suffer from high temperatures, where water and other contaminants are found, also as heat transfer fluids in circulating and hot bath systems



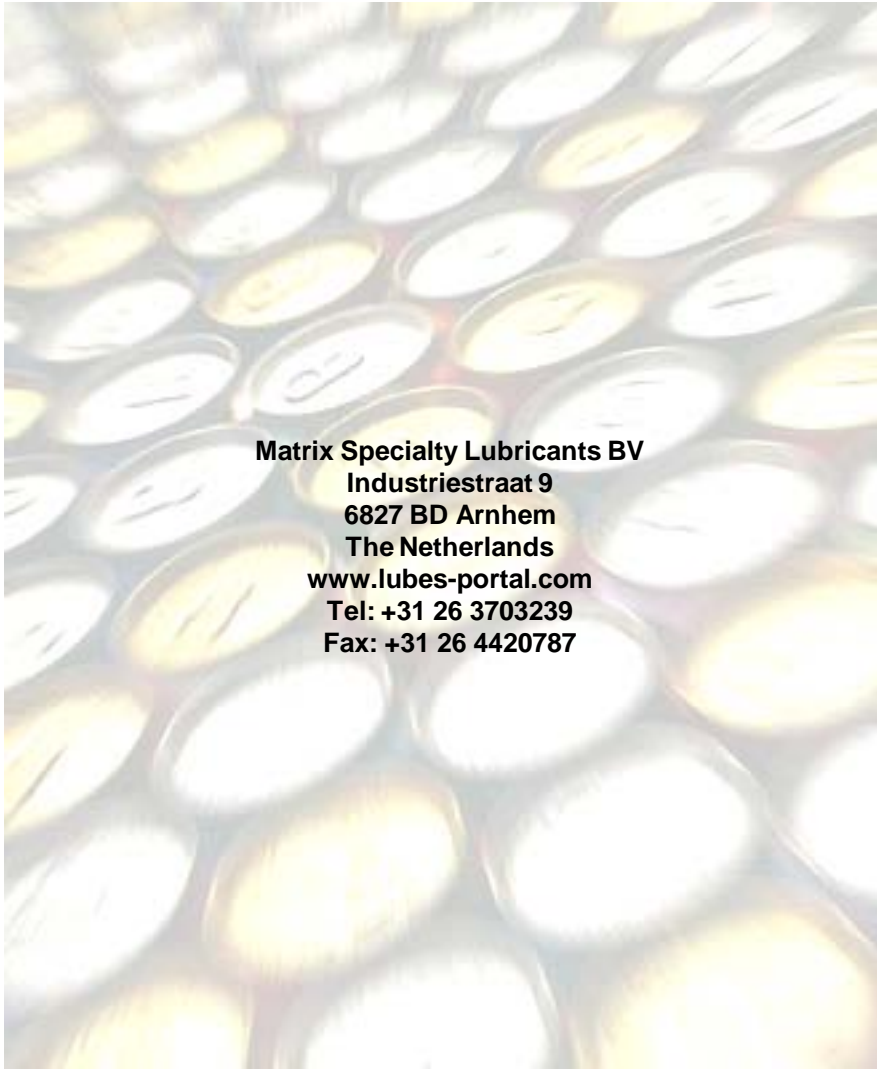
## Spray cans

Application point	Product	Characteristics
Chain lubrication	<b>Foodmax® Multi Spray</b>	400 ML spray filled with a sticky synthetic lubricant fortified with PTFE, for chain and general lubrication.
Mult purpose lubrication	<b>Foodmax® Easy Spray</b>	Multipurpose lubricant ISO VG 68. Filled in 400 ML spray cans. Non sticky
Low load applications	<b>Foodmax® Silicon Spray</b>	400 ML spray can filled with a foodgrade silicon oil. Suitable for packaging machines, slides and guideways
Grease NLGI 2	<b>Foodmax® Grease Spray</b>	400 ML spraycan filled with Foodmax® ASP 2, water resistant, high temperature range
Dought Deviders	<b>Foodmax® DDO Spray</b>	HI and 3H (direct contact) approved product for Dought Deviding equipment used in bakeries

Application point	Product	Characteristics
Chain lubrication	<b>Foodmax® Multi Spray CO2</b>	400 ML spray filled with a sticky synthetic lubricant fortified with PTFE, for chain and general lubrication. Co2 filled for a better work environment
Mult purpose lubrication	<b>Foodmax® Easy Spray CO2</b>	Multipurpose lubricant ISO VG 68. Filled in 400 ML spray cans. Non stickyCo2 filled for a better work environment
Low load applications	<b>Foodmax® Silicon Spray CO2</b>	400 ML spray can filled with a foodgrade silicon oil. Suitable for packaging machines, slides and guideways. Co2 filled for a better work environment
Grease NLGI 2	<b>Foodmax® Grease Spray CO2</b>	400 ML spraycan filled with Foodmax® ASP 2, water resistant, high temperature range. Co2 filled for a better work environment

## Miscellaneous non food grade

Application point	Product	Characteristics
Refrigeration Compressor Fluids	<b>Coolmax</b>	Various type of refrigeration compressor fluids for all sorts of refrigerants like R 134a, 404a, R22, Ammonia, etc. Please select the right grade for the right application from the Refrigerant compressor fluids brochure
High temperature chains	<b>Chaintop series</b>	Various types of high temperature chain lubricant (up to 300 °C)



**Matrix Specialty Lubricants BV**  
Industriestraat 9  
6827 BD Arnhem  
The Netherlands  
[www.lubes-portal.com](http://www.lubes-portal.com)  
Tel: +31 26 3703239  
Fax: +31 26 4420787

