



Vision :

" We want to promote the highest food safety for all food processing and packaging industries in Malaysia by promoting Halalube® to be the #1 most preferred H1 & HALAL certified food grade lubricants in the World. "

Mission:

"We shall supply Halalube® in most affordable prices, most readily available, convenient pack sizes and highest performance certified food grade lubricants to all food processing and packaging industries. We shall continue to educate the industries on the importance of food safety as well as providing maximum protection to their equipment and machinery."

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**H1 & HALAL Certified
Food Grade Lubricants**

*Highest Performance
with Maximum Food Safety*

www.HALALUBE.my

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Who we are

Halalube® is the registered trademark of Sumber Petroleum Cemerlang Sdn. Bhd., 100% Malaysian-owned Company established since 1989. We are a licensed & ISO 9001 certified lubricants manufacturer, importer and marketer.

Halalube® is the 1st 100% Malaysian Brand HALAL certified and internationally registered H1 Food Grade High Performance Lubricants. These lubricants are certified SAFE for direct incidental contact with food stuffs and beverages during its manufacturing & packaging processes.

We intent to market **Halalube®** products to all food & beverages related industries, edible oil, and pharmaceutical & personal care industries in Malaysia & Worldwide.

Malaysia, being one of the most reputable food producers and exporters for HALAL certified food products, the marketing of Halalube certified food grade lubricants is in line with the Government long-term plans on the development of its domestic food processing and supporting industries

HALAL certified products are widely accepted as the safest and most hygienic products available in the market.

No animal fat or animal oil is used in any of **Halalube®** products formulation;

What does HALALUBE offer you?

Halalube® supplies a comprehensive range of Food Grade Lubricants including Compressor and Vacuum Pump Oils, Gear Oils, Hydraulic Fluids and Greases. We also offer a number of speciality products to complete the portfolio. Our engineers are constantly working on product formulation so that what we sell is not only top of the line but also always state of the art.

Halalube® production and packaging processes and facilities are certified under ISO 9001:2008 and the stringent requirement of ISO 21469:2006 which specifies hygiene requirements for the formulation, manufacture, use and handling of lubricants subject to incidental food contact.

Why do we invest all this effort? Because we want our customers to rest assured that they are receiving not only a safe product which protects the end user, but also a high quality lubricant ensuring undisturbed machine use over a long operating lifespan.

Which standards and certification procedures are these?

H1 is a classification for lubricants that could have incidental food contact. These products are formulated with components and dosage levels that do not pose a threat to consumer health when consumed. This should prevent risks towards human health and fits producer's HACCP programmes. However, the maximum allowable contamination level is 10 ppm (or even less with some products), i.e. if more than trace amounts of the oil come into contact with the food produced, it is no longer suitable for commercial purpose even though the lubricant was H1-confirm.

The **NSF** (in the USA) and the **InS** (a European company) are the two currently available bodies that provide H1 registration. Both are private-sector organisations and compare the lubricant components against the list attached to the US FDA 21 CFR 178.3570 code. This is the internationally accepted standard which decides whether a component is suitable for food contact and defines the appropriate dosage levels.

ISO 21469 is a hygiene standard that describes the manufacturing, labelling and handling aspects of Food Grade Lubricants. An auditor checks whether the hygienic requirements described in the standard are fulfilled. Renewal audits must be conducted on a yearly basis.

ISO 9001 is a widespread management and accountability standard which must also be met and certified to obtain **ISO 21469** certification.

Kosher means "suitable" in the context of foodstuffs prepared in accordance with the Jewish food laws. These laws prohibit consumption of certain animal species. In the lubricant industry the lubricants are subjected to a technical and religious certification process, which investigates the possibility of animal contamination. An auditor will check that all components used are Kosher and that there is no possibility of cross-contamination by non-Kosher components used in the same production equipment. Renewal audits must be conducted on a yearly basis.

Halal is an Arabic expression meaning "permissible". It is used to describe food which is deemed suitable according to the Islamic laws. A variety of substances are forbidden (haram) according to different verses in the Koran. An auditor will check that all components used are Halal and that there is not possibility of cross-contamination by non-Halal components used in the same production equipment. Renewal audits must be conducted on a yearly basis.



Glossary Of Food Grade Lubrication Need-To-Knows

What are Food Grade Lubricants?

For many years now the industry has become increasingly aware of consumer safety, which is why this aspect is now receiving the utmost attention in every production process.

Companies in the producing industries test materials intended for consumer products for health hazards such as carcinogenic effects, risks of poisoning through prolonged exposure and even minor discomforts such as skin irritations.

Especially the industries supplying food, pharmaceuticals, foodstuffs and other critical consumption products often have production units in which contact between lubricants and the product cannot be entirely avoided, but can ruin a whole production batch when it does occur. This is where the producer applies lubricants which are non-toxic and generally non-hazardous when accidentally consumed in trace amounts. These are the Food Grade Lubricants.

Where are Food Grade Lubricants applied?

The application of Food Grade Lubricants are manifold. To name just a few:

- Compressors which can blow out small amounts of oil with the compressed air
- Chain of conveyor belts which can drip lubricant onto underlying machinery
- Gears of production machines which may lose gear lubricant while close to the product

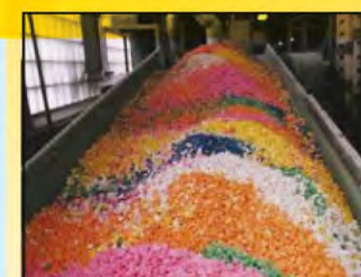
These examples should serve to show that accidental food contact may occur in many different stages of food production and is often near impossible to rule out completely.

In these cases the alternative to a Food Grade Lubricant would be a monitoring system which can sense trace amounts of lubricant (down to under 10 ppm or 0.01%) in every stage of production. This is surely possible to realise on the technical side. But its economical soundness is questionable, to say the least, when the right lubricant eliminates this problem before it even occurs.

InS H1 Certification



HALAL Certification



HALALUBE PRODUCT PORTFOLIO

APPLICATIONS	PRODUCT NAME	DESCRIPTION	ISO VG	VI	FLASH POINT °C	ADDITIONAL INFORMATION
HYDRAULIC & GENERAL CIRCULATION	Halalube HFM 15	H1 hydraulic Oil	15	130	198	HALALUBE HFM Series is recommended for use in processing machinery for canning and bottling, hydraulic systems, valve and other multipurpose lubrication, low to medium loaded bearings and circulating systems.
	Halalube HFM 22		22	141	202	
	Halalube HFM 32		32	105	222	
	Halalube HFM 46		46	104	232	
	Halalube HFM 68		68	106	250	
	Halalube HFM 100		100	102	252	
HYDRAULIC & GENERAL CIRCULATION	Halalube H1S 15	Synthetic H1 hydraulic Oil	15	110	116	HALALUBE H1S Series are applicable in the same field as HFM Series. However, HALALUBE H1S Synthetic hydraulic fluids have a wider temperature range and much higher oxidative and thermal stability. Suitable for high temperature and long service life applications.
	Halalube H1S 22		22	147	206	
	Halalube H1S 32		32	155	242	
	Halalube H1S 46		46	160	258	
	Halalube H1S 68		68	160	257	
	Halalube H1S 100		100	167	212	
GEARS	Halalube GFM 150	H1 gear oil	150	103	194	HALALUBE GFM Series is recommended for use in processing machinery, such as gear sets (excluding heavily loaded worm gears), gearing for conveyors, agitators and mixers, extruders, pulpers & other similar applications.
	Halalube GFM 220		220	103	216	
	Halalube GFM 320		320	106	>250	
	Halalube GFM 460		460	107	>250	
	Halalube GFM 680		680	110	>250	
GEARS	Halalube G1S 150	Synthetic H1 gear oil	150	170	247	HALALUBE G1S Series combines the multitude of applications from the HALALUBE GFM Series with the extended temperature range and outstanding oxidative and thermal stability. Suitable for high temperature and long service life applications.
	Halalube G1S 220		220	177	254	
	Halalube G1S 320		320	158	268	
	Halalube G1S 460		460	169	272	
	Halalube G1S 680		680	181	274	
GEARS	Halalube G2S 150	Synthetic H1 gear oil	150	208	258	HALALUBE G2S Series synthetic gear oil provides outstanding load-carrying properties required in gear systems and is suitable for systems which require excess water separation.
	Halalube G2S 220		220	218	252	
	Halalube G2S 320		320	228	254	
AIR COMPRESSORS & VACUUM PUMPS	Halalube KFM 46	H1 compressor oil	46	106	224	HALALUBE KFM Series is recommended for use in air displacement systems such as rotary vane compressors, piston and screw compressors and blowers.
	Halalube KFM 100		100	104	230	
AIR COMPRESSORS & VACUUM PUMPS	Halalube K1S 32	Synthetic H1 Compressor Oil	32	148	243	HALALUBE K1S oils are suitable for all types of compressors and several vacuum pumps, HALALUBE PAO-based compressor lubricant exceed their white-oil counterparts in thermal and oxidative stability and temperature range.
	Halalube K1S 46		46	136	236	
	Halalube K1S 68		68	137	239	
	Halalube K1S 100		100	149	241	
	Halalube K1S 150		150	159	262	

HALALUBE PRODUCT PORTFOLIO

APPLICATIONS	PRODUCT NAME	DESCRIPTION	ISO VG	SERVICE TEMPERATURE RANGE		ADDITIONAL INFORMATION
CHAINS & SLIDING MOVEMENT	Halalube CFM 150	H1 Chain Oil	150	-5 °C to +140°C		HALALUBE CFM Chain Oil is high performance chain lubricant based on latest available additive technology providing outstanding friction point wetting and load-carrying properties. Suitable for all types of conveyor and chain drives operate within the recommended service temperatures range. Also suitable for lubrication of sliding movement.
	Halalube CFM 220		220	-5 °C to +160°C		
CHAINS & SLIDING MOVEMENT	Halalube C3S 150	Synthetic H1 chain oil	150	-20 °C to +200°C		HALALUBE C3S High temperature Ester-based chain lubricant utilises latest available additive technology providing outstanding friction point wetting and load-carrying properties. Suitable for all types of oven/dryer conveyor and transport chain and chain drives operate at high temperatures.
	Halalube C3S 220		220	-20 °C to +220°C		
SUGAR DISSOLVING	Halalube SSD	Sugar-dissolving oil	22	-5°C to +80°C		HALALUBE SSD is designed for protection and cleaning of systems exposed to crystallised sugar such as chains and chain drives, conveyors, slides and mixers. It combines lubricating properties and corrosion protection with solubility in water required in systems for the confectionary market and any application involving sugar.
APPLICATIONS	PRODUCT NAME	DESCRIPTION	ISO VG	Max. Bulk Temperature	Max. Film Temperature	ADDITIONAL INFORMATION
HEAT TRANSFER	Halalube HTM	H1 Heat Transfer Oil	32	320°C	340°C	HALALUBE HTM is a clear transparent and odourless fluid which is approved for incidental food contact (InS HT1). It is recommended for use in liquid phase heat transfer systems operating between -15°C and 320°C that require a food grade product. Optimal operating range is between 5°C and 300°C.
APPLICATIONS	PRODUCT NAME	DESCRIPTION	NLGI	Four Ball EP WP ^a [kg]	Service Temperature Range	ADDITIONAL INFORMATION
GREASES	Halalube FAS GREASE 2	H1 Aluminium complex grease	1.5	400	-40°C to +180°C	HALALUBE FAS is applicable in components of food-processing machinery, such as bearings in general, conveyor chains, valves and taps.
	Halalube FAM GREASE 2	H1 Aluminium complex grease	2	600	-20°C to +120°C	HALALUBE FAM Series is used in food machinery bearings in various types of applications. Please refer to relevant product data sheets for details.
	Halalube FCM GREASE 2	H1 Calcium sulphonate grease	2	500	-40°C to +204°C	HALALUBE FCM is recommended for use in components of food-processing machinery such as bearing under exceptional loads, high-speed bearings, machinery operating in low ambient temperature and heavy-duty machinery.
APPLICATIONS	PRODUCT NAME	DESCRIPTION	ISO VG	Service Temperature Range		ADDITIONAL INFORMATION
CHAIN	Halalube C3S SPRAY	Synthetic H1 chain oil	150	-20°C to +200°C		Similar to HALALUBE C3S but available in aerosol spray can for ease of applications, especially for difficult to reach areas.