

Omega 38

DESCRIPTION:

OMEGA 38 Crystal Clear FG Grease is the most advanced multi-purpose synthetic food grade grease, characterized by its crystal clear formation. OMEGA 38 is colorless, satisfying an array of industries with specific needs, e.g. food processing plants, pharmaceuticals, canneries, printing plants, paper mills, electronics plants, etc.



KEY PROPERTIES & BENEFITS:

OMEGA 38 features the following key properties and benefits:

- Versatile food & beverage grade applications for reduction in grease inventory
- Crystal clear
- Non-toxic, non-staining
- Virtually no oil separation
- Excellent “water washout” resistance even with large amount of water
- Superior anti-rust and anti-corrosion protection
- Excellent for low temperature use down to -40°C – ensuring outstanding low temperature pumpability



Nonfood Compounds Program Listed
Category Code : H1
Registration Number : 135702

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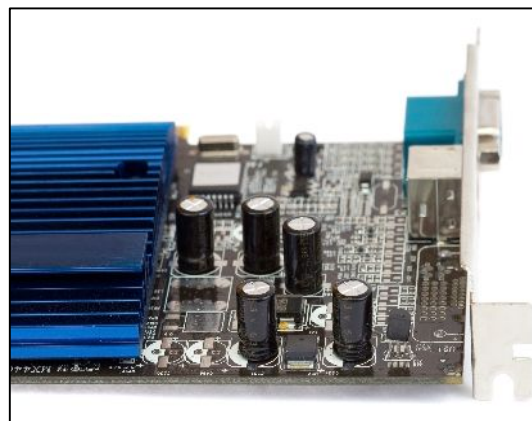
OPIM 38-1	Version 1.0	Revision 1.1	Date: 27 Jan, 2015	Reference: CKL
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- High temperature stability protection – Non-melt
- Suitable for centralized pressure systems
- Long grease life & lubrication cycle - adhesive tacky grease that stays in place
- Excellent anti-fling properties
- Complies with Food and Drug Administration (FDA) Federal Regulation 178.3620 and NSF H-1 category for incidental food contact application



KEY APPLICATIONS:

OMEGA 38 is an ideal multi-purpose, synthetic greasing solution for all types of lubricated bearings commonly found in pharmaceutical production, laboratories, canneries, beverage bottling plants, food processing plants (e.g. potato chips plants, poultry processing plants, meat processing plants), printing industry, paper mill, palm oil mills, plastics production, tobacco manufacturing, medical & dental equipment production and electronics industries.



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OPIM 38-2	Version 1.0	Revision 1.1	Date: 27 Jan, 2015	Reference: CKL
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OMEGA 38 Crystal Clear FG Grease, with its colorless physical qualities, is particularly suitable for applications where incidental grease contact with food products, packaging materials or delicately finished products is possible.

TYPICAL DATA:

TEST	ASTM TEST METHOD	TEST RESULT
Base Oil		
Viscosity, cSt		
@ 40°C	D-445	66
@ 100°C	D-445	9.8
Viscosity Index	D-2270	131
Flash Point, °C	D-92	250
Pour Point, °C	D-97	-50
Dropping Point, °C	D-2265	None
Worked Penetration 60 Strokes	D-217	276
Timken OK Load, Lbs	D-2509	20
Four Ball Wear, mm	D-2266	1.14
Rust Prevention Rating	D-1743	Pass
Oil Separation, % loss	D-1742	6
NLGI Grade	D-217	#2
Operating Temperature Range, °C	---	- 40 to 200
Texture	Visual	Tacky
Color	Visual	Clear



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OPIM 38-3	Version 1.0	Revision 1.1	Date: 27 Jan, 2015	Reference: CKL
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MATERIAL SAFETY DATA SHEET

DATE 01 Aug 2014

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name/Code Omega 38

Company Identification

Omega Manufacturing Division,
Magna Industrial Co. Limited,
1801, Guardian House,
32 Oi Kwan Road,
Wanchai, Hong Kong.

Distributor

Alshawi Trading,
Block 351, Road 51, Bldg 20, Manama - Bahrain.
www.alshawitrading.com
info@alshawitrading.com
P.O.Box 33526

Telephone (852) 25775187

Fax (852) 25773190

Telephone (973) 1755 0019

Fax (973) 1755 5108

SECTION 2 - HAZARDS IDENTIFICATION

Not classified as hazardous.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS Number</u>	<u>Wt.%</u>	<u>Classification</u>
Polyalphaolefin	68037-01-4	60-100	-
Silicon dioxide	68611-44-9	5-20	-

SECTION 4 - FIRST-AID MEASURES

Eye Contact: Flush with plenty of water for at least 15 minutes. Seek immediate medical attention.

Skin Contact: Wash thoroughly with soap and water. Obtain medical attention in case of skin irritation or other cause for concern.

Inhalation: Move patient to open air.

Ingestion: Do not induce vomiting. Seek immediate medical attention.

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SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media: Dry chemical, waterfog, foam, sand and carbon dioxide.

Special Protective Equipment for Fire Fighters: Self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Dense smoke. Carbon dioxide, carbon monoxide.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spillage: Transfer bulk of material into another container. Absorb remaining residue with proper absorbents such as sand, vermiculite. Sweep up and dispose of in accordance with local and national regulations.

SECTION 7 - HANDLING AND STORAGE

Keep containers closed. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Wash clothing before reuse.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ACGIH TLV

Synthetic polyalphaolefin

5 mg/m³ (oil mist)

Silicon dioxide

10 mg/m³ (dust)

Eye Protection: Safety goggles and full-face shield

Hand Protection: Rubber or plastic oil resistant gloves.

Ventilation: Use under well ventilated conditions.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear transparent semi-solid grease

Odour: Solvent odour

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pH: N.A.
Specific Gravity: 0.84
Vapour Pressure: N.A.
Boiling Point: N.A.
Melting Point: None
Flash Point: above 232°C
Flammability: N.A.
Evaporation Rate: N.A.
Solubility in Water: Insoluble

SECTION 10 - STABILITY AND REACTIVITY

Stable under normal condition.

Materials to Avoid: Strong oxidizing agents, hydrogen peroxide, chromic acid, bromine.

Toxic compounds may form on thermal decomposition. Hazardous combustion products: carbon monoxide, carbon dioxide and zinc oxide.

SECTION 11 - TOXICOLOGICAL INFORMATION

There is no lethal dose information available.

Inhalation: Inhalation of vapours can cause irritation of the respiratory tract. High concentrations of oils, mists or vapours can cause chemical pneumonitis.

Skin: May cause irritation, drying and cracking.

Eyes: Cause irritation.

Ingestion: May cause irritation in mouth and stomach, thirst, nausea, vomiting, diarrhoea, with possible collapse if large amounts ingested. Aspiration of material upon vomiting may cause chemical pneumonitis.

SECTION 12 - ECOLOGICAL INFORMATION

No ecological information is available at present.

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SECTION 13 - DISPOSAL CONSIDERATIONS

Comply with all local and national regulations regarding disposal.

SECTION 14 - TRANSPORT INFORMATION

UN Number : Not regulated

IATA Class : Not regulated, Packing Group: Not regulated

IMDG Class : Not regulated, Packing Group: Not regulated

Not considered hazardous for transport purpose.

SECTION 15 - REGULATORY INFORMATION

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SECTION 16 - OTHER INFORMATION

R-phrases: -

S-phrases: -

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