

Omega 585

DESCRIPTION:

Omega 585 is an advanced, new, **All-Synthetic** Food Grade Chain & Gear Oil that provides for extended lubrication intervals by virtue of its high performance blend of additives that have been thoroughly inspected and tested for purity. Unlike ordinary chain oils that are used in food and beverage plants, Omega 585 can be left on treated parts and does not have to be flushed and steam-cleaned off daily, since it is officially-approved as a lubricant suitable for use in all types of food & beverages manufacturing equipment. Being fully synthetic, Omega 585 does not contain any mineral oil, polycyclic aromatic hydrocarbons or potentially harmful constituents.



DYNAMIC QUALITIES:

Omega 585 clings tenaciously to applied parts and outperforms virtually all high performance lubricants used for food machinery. It features both a high Flash Point and an ultra low Pour Point and its extended service temperature range is from -30° to 240°C(-22°to 460°F). It therefore provides superior lubrication performance in both high heat equipment - such as bottling, canning and cooking equipment, and also in "reefer" (refrigerated) equipment, cold rooms and ice-making plant equipment.

This in-built versatility, combined with Omega 585's high performance specifications, make it the lubricant of choice for use throughout most food plants, on all types of equipment, including chain drives, conveyor systems, belt pulleys & bearings, guide ways, gear systems, baking



Omega 585 Category Code: H1
NSF Registration No. 124232

oven chains, for drip feed or oil-bath applications as well.

"PURE" PERFORMANCE:

Omega 585, in addition to providing exceptional anti-wear qualities due to its high lubricity, also provides exemplary rust prevention protection on applied parts and equipment. This is an important consideration, especially for food and beverage plant applications due to the high amounts of residual food extracts and acids, vegetable oils, fruit and citric acids plus the high humidity common to such environments.



Furthermore, Omega 585 is highly stable and therefore is not susceptible to adverse reaction or degradation when subjected to contamination with food processing waste, superheated steam, carbonating gases, and strong, natural or artificial seasonings, etc.

TYPICAL DATA:

TEST	ASTM TEST METHOD	ISO VG 220	ISO VG 460
Appearance	Visual	Off Color/ Water White	Off Color/ Water White
Density, kg/L @ 15°C	D-1298	0.852	0.908
Viscosity, cSt @ 40°C	D-445	220	460
@ 100°C	D-445	23.7	47.7
@ -30°C	Calc.	98,000	N.A.
Viscosity Index	D-2270	135	141
Flash Point, COC, °C(°F)	D-92	210(410)	219(426)
Pour Point °C(°F)	D-97	-36(-33)	-36(-33)
Total Acid Number, mg KOH/g	D-974	0.7	0.7
Carbon Residue, Conradson, %	D-524	0.02	0.02
Foaming Characteristics			
All Sequences, After Settling	D-892	Nil	Nil
Rust-Preventing Characteristics	D-665	Nil	Nil
Copper Strip Corrosion			
3 hours @ 100°C	D-130	1b	1b
FZG Gear Test,			
Failure Stage Load	DIN 51354	12	12
Evaporation Loss			
6.5 hours @ 205°C, % Mass	D-972	4.0	4.0



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Total Quality Maintenance

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O-585 p.1

MATERIAL SAFETY DATA SHEET

DATE 04 May 2015

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name/Code Omega 585

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>
Poly(1-decene)	68037-01-4	60-100	-

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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O-585 p.2

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media: Dry chemical, 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)

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: Off-white liquid

Odour: No unpleasant odour

pH: N.A.

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O-585 p.3

Specific Gravity: 0.85
Vapour Pressure: N.A.
Boiling Point: N.A.
Melting Point: N.A.
Flash Point: 210°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.

Hazardous combustion products: Dense smoke, carbon monoxide, carbon dioxide.

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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O-585 p.4

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: -

Remarks: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.