

Omega 26 ThermaSyn FG Grease

DESCRIPTION:

OMEGA 26 ThermaSyn FG grease is a white and smooth food grade EP grease formulated with Perfluorinated Polyether (PFPE) base fluid and Polytetrafluoroethylene (PTFE) thickener to be used in extreme-temperature conditions and for applications which require exceptional chemical and solvent resistance while incidental contact with food items is necessary.



The white and smooth Omega 26 ThermaSyn FG Grease

SPECIAL FEATURES AND KEY BENEFITS:

OMEGA 26 ThermaSyn FG Grease offers a broad range of operating temperature. Due to its excellent oxidative & thermal stability and high viscosity index, **OMEGA 26** performs equally well from -25°C to 280°C. It is designed for lubricating equipment and machineries that are operating continuously under high temperature and high load conditions. It provides excellent protection against wear and outstanding resistance to water and most aggressive chemicals while maintaining its EP performance under high temperature and high-load operating conditions.



Omega 26 is available in 500gm compact container packed in a colorful box



Nonfood Compounds Program Listed
Category Code : H1
Registration Number : 137939

OMEGA 26 ThermaSyn FG Grease offers the lubrication professionals a durable lubricant that may last forever. As a type of PFPE grease, it will not decompose into carbon residues and soot and its thickener will provide additional lubricity. As a result, it will not potentially damage the equipment or machineries to which it applies even if its base fluid does break down. In addition, volatility and vaporization pressure of PFPE is low.

OMEGA 26 ThermaSyn FG Grease is non-toxic and does not contain mineral hydrocarbon, animal derived materials, nut oils or genetically modified ingredients. It meets and exceeds the NSF requirement for use in food plants applications involving incidental food contact. With its excellent compatibility with plastics and most elastomers, outstanding chemical and physical properties – good resistance to wear, water and chemicals, EP performance, etc, **OMEGA 26** is suitable for use in a wide range of industries to lubricate chains & conveyor systems, O-rings, valves, bearings, slides, and small gears operating in extreme environments.

APPLICATIONS:

OMEGA 26's advanced PFPE base fluid and PTFE thickener make it a super grease suitable for use in a wide range of industries.

Suggested applications include (but are not limited to):

For Food & Beverage and Pharmaceutical Industries

- Lubrication of equipment & machineries in food processing & packing, canning & bottling factories.
- Lubrication of bearings and roller bearings of track & chain conveyors going through food baking ovens.

For other industries

- Lubrication of O-rings, plastics & ceramics, couplings, instruments, valves, circuit breakers & railway switch machine bearings.
- Lubrication of plug valves, pressure release valves and pumping equipment handling highly corrosive or reactive liquids.
- And many other maintenance applications up to 280 °C.

DIRECTION FOR USE:

- OMEGA 26 ThermaSyn FG Grease NLGI#2** should be applied manually or with a suitable applicator e.g. Grease gun.
- OMEGA 26 ThermaSyn FG Grease NLGI#00** is designed for the centralized grease lubrication systems.
- Thoroughly clean the applied area of the equipment and machineries prior to application.

☐ Do not mix **OMEGA 26 ThermaSyn FG Grease** with any other lubricant.

TYPICAL DATA:

TEST	ASTM TEST METHOD	TEST RESULT	
		NLGI #2	NLGI #00
Base Fluid:			
Viscosity, cSt @ 20°C	D-445	1525	
Viscosity, cSt @ 40°C	D-445	420	
Viscosity, cSt @ 100°C	D-445	40	
Worked Penetration @ 25°C	D-217	265 - 295	400 – 430
Dropping Point, °C	D-2265	280+	N/A
4-Ball EP Performance			
Weld Load, Kg	D-2596	500	
Load-wear index. Kg		106	
Operating Temperature Range, °C		-25 to 280	
Color		White	

MAGNA INDUSTRIAL CO. LIMITED

Total Quality Maintenance

1801, Guardian House, 32 Oi Kwan Road, Wanchai, Hong Kong Tel: (852) 2577 5187 Fax: (852) 2577 3190
E-Mail: magna@magnagroup.com Web Site: www.magnagroup.com

O-26 p.1

MATERIAL SAFETY DATA SHEET

DATE 01 Aug 2014

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name/Code Omega 26

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>
Perfluorinated polyether	69991-67-9	60-80%	-
Polytetrafluoroethylene	9002-84-0	20-30%	-

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: May be irritation of the throat. Wash out mouth with water.

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O-26 p.2

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media: Use water spray to cool containers. Suitable extinguish media for the surrounding fire should be used.

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

Unusual Fire and Explosion Hazards: Avoid smoke inhalation.

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

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: White semi-solid grease

Odour: Odourless

pH: N.A.

Specific Gravity: ~ 1.9

Vapour Pressure: N.A.

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O-26 p.3

Boiling Point: N.A.
Melting Point: N.A.
Flash Point: > 300°C
Flammability: N.A.
Evaporation Rate: N.A.
Solubility in Water: Insoluble

SECTION 10 - STABILITY AND REACTIVITY

Stable under normal condition. Avoid pyrolysis.

Materials to Avoid: Strong oxidizing agents. Strong reducing agents.

Toxic compounds may form on thermal decomposition. Hazardous combustion products: carbon monoxide, carbon dioxide, hydrofluoric acid gas, perfluorocarbon olefins and small amounts of other toxic fumes.

SECTION 11 - TOXICOLOGICAL INFORMATION

There is no lethal dose information available.

Inhalation: Polytetrafluoroethylene (PTFE), when thermally decomposed, may cause polymer fume fever and flu-like symptoms. Inhalation of vapours from material at high temperature must be avoided.

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-26 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.