

Omega 58

DESCRIPTION:

Omega 58 is a controlled-purity lubricant developed for universal use in food-

contact type industries. Its composition is based on a proportionate quantity of Al/Stearoylbenzoyl and Isopropylolate. These two basics, in addition to a combination of specially formulated additives and modifiers that constitute a breakthrough in purity-lubrication.

HIGH OPERATING STANDARDS:

Omega 58 is capable of meeting extremely tough operating standards. Special rust and oxidation inhibitors prevent machinery deterioration and ensure long-term production. Acid neutralizers, by way of the unique Omega Megalite supplements, ensure that metal surfaces are provided with ultimate protection, while exhibiting no harmful or toxic effects in contact with food.

SUPPLEMENTS:

Foam Inhibitors	Yes
Anti-oxidants	Yes
Anti-odorants	Yes
Wear Resistors	Yes
Biodegradable Materials	Yes
Demulsifiers	Yes
Dyes	Yes
Extreme-Pressure Properties	Yes
Metal Deactivators	Yes
Minerals	Yes
Phenol-Alpha Trivenalyamine	Yes
Rust Preventatives	Yes



Nonfood Compounds Program Listed
Category Code : H1
Registration Number : 132439

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OPIM58-1	Version 1.0	Revision 1.0	Rev. Date: 12 January, 2010	Reference: CKL
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TYPICAL DATA:

TEST	ASTM EST METHOD	TEST RESULT	
Mineral Oil Base: -		NLGI #2	NLGI #0
Specific Gravity @15.0°C (60°F)	D-1298	0.9015	0.9015
Viscosity @100°F, SUS	D-88	300-400	300-400
Flash Point, COC, °C (°F) min.	D-92	177(350)	177(350)
Pour Point, °C (°F) max.	D-97	-12(10)	-12(10)
Drop Point, °C (°F)	D-566	238(460)	N.A.
Worked Penetration, @77°F, 150 gm. Cone	D-217	265-295	355-385
Timken OK Load, lbs	D-2509	40	40
Four Ball EP, Weld Point, Kgf	D-2596	200	200
Four Ball Wear, Scar Diameter, mm	D-2266	0.6	0.6
Oxidation Stability, P.S.I. loss in 100 hrs.	D-942	5 max.	5 max.
Operating Temperature Range, °C (°F)		-18 to 149 (0 to 300)	-18 to 149 (0 to 300)
Color	-	White	White

PURITY STANDARDS:

Omega 58 is considered by many maintenance engineers as "the" universal food-contact lubricant. Omega 58 withstands severe waterwash (ASTM D1264) and does not alter under extreme temperature fluctuations. Its versatility provides the answer to the many current industrial equipment problems in the food and beverage industries.

APPLICATIONS:

Omega 58 can be used in every industry where lubricant contact with food is likely to cause contamination problems. Omega 58 is applied to Steam Bottle Washing Plants, Hospitals, Veterinary Services, Wineries, Vegetable Sorting and Processing Industries, Fruit Packing Equipment, Restaurants and Hotels, where edible and health material is produced for eventual consumption.

Omega 58 is also ideal for abattoir and poultry handling systems.

OMEGA 58 has the USDA HI rating. All ingredients used in Omega 58 meet the requirements of Section 21 CFR 178.3570 of the U.S. Federal Food, Drug and Cosmetic Act.

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Total Quality Maintenance

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MATERIAL SAFETY DATA SHEET

DATE 01 Apr 2015

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name/Code Omega 58

Company Identification

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

Distributor

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Block 351, Road 51, Bldg 20, Manama - Bahrain.
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Telephone (852) 25775187
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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>
White oil	8042-47-5	60-100	-
Aluminium soap thickener	54326-11-3	10-30	-
Titanium dioxide	13463-67-7	1-5	-

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.

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Inhalation: Move patient to open air.

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

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

White mineral oil	5 mg/m ³ (oil mist)
Aluminium soap thickener	10 mg/m ³
Titanium Dioxide	10 mg/m ³ (TWA)

Eye Protection: Safety goggles and full-face shield

Hand Protection: Rubber or plastic oil resistant gloves.

Ventilation: Use under well ventilated conditions.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White semi-solid grease

Odour: Mineral oil smell

pH: N.A.

Specific Gravity: 0.88

Vapour Pressure: N.A.

Boiling Point: >300°C

Melting Point: N.A.

Flash Point: above >200°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.

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

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chemical pneumonitis.

SECTION 12 - ECOLOGICAL INFORMATION

No ecological information is available at present.

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.