**DESCRIPTION:**

Omega 85 "Shear Sensation Plus" (SSP) all-purpose grease is an improved version of unique and continuing Omega research into the development of a single grease to meet virtually any automotive and industrial application. "Shear Sensation Plus" (SSP) is an improved formulation and features the same phenomenal shear stability that remains unmatched by any ordinary grease!

**UNMATCHED SHEAR STRENGTH:**

Through extensive laboratory and field testing, Omega engineers have further improved the shear stability built into Omega 85 "Shear Sensation Plus", while retaining Omega 85's truly multi-purpose functionality.

**SUPERIOR TEMPERATURE STABILITY:**

Omega 85 "Shear Sensation Plus" (SSP) features an improved dropping point in excess of 520°F (270°C) for the NLGI #2 grade coupled with the legendary continuously-effective Extreme Pressure performance and thermally-stable base oil. Omega 85 SSP continues to be eminently suited for prolonged superlative lubrication performance at elevated temperatures.

Due to the especially improved high quality base oil used and good penetration properties built into Omega 85, it retains its excellent low temperature lubrication characteristics.
INBUILT COMPATIBILITY:

Omega 85 SSP continues to be fully compatible with bearing seal materials such as hytrel, viton and neoprene. It also provides excellent compatibility with soap-thickened greases (such as lithium-based) and will not adversely co-react when used in such applications where residuals of these may remain.

TRUE MULTI-PURPOSE CAPABILITY:

With Omega 85 SSP, there is virtually no limit to application recommendations. It can be applied with superlative lubrication results in automotive and industrial plain and anti-friction bearings, in hot or cold environments and subjected to light, medium or heavy loads - even over super-extended periods of operation.

SUPERIOR THICKENER AND ADDITIVES PACKAGE:

Omega 85 SSP's unique, advanced and improved constituents provide outstanding resistance to water and encompasses a "moisture-lock" to provide excellent protection against rust. It therefore effectively tolerates wet working environments. In continuing development testing, Omega 85 SSP retains its superlative properties after 3,000 hours in the ASTM-D-3336 long-life bearing test at 300°F (1,000 hours is already considered outstanding performance) !!!

Omega 85 "Shear Sensation Plus" continues to stand out as a superior multi-purpose grease that covers virtually the entire spectrum of lubrication applications in the automotive and industrial field and fully the equal of the widest range of applications, environment and application conditions to be found anywhere.

Omega 85 SSP also continues to provide extended superior performance and represents the highest-level of technical excellence in the field of lubrication ever developed for commercial applications.
## TYPICAL DATA:

<table>
<thead>
<tr>
<th>TEST</th>
<th>ASTM TEST METHOD</th>
<th>TEST RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mineral Oil Base:</strong> -</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Viscosity, cSt @ 40°C (104°F)</td>
<td>D-445</td>
<td>126</td>
</tr>
<tr>
<td>Viscosity, cSt @ 100°C (212°F)</td>
<td>D-445</td>
<td>11.7</td>
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<tr>
<td>Viscosity, Index</td>
<td>D-2270</td>
<td>75</td>
</tr>
<tr>
<td>Unworked Penetration @ 77°F</td>
<td>D-217</td>
<td>278</td>
</tr>
<tr>
<td><strong>Worked Penetration:</strong> -</td>
<td></td>
<td></td>
</tr>
<tr>
<td>60 Strokes</td>
<td>D-217</td>
<td>280</td>
</tr>
<tr>
<td>10,000 Strokes</td>
<td>D-217</td>
<td>293</td>
</tr>
<tr>
<td>100,000 Strokes</td>
<td>D-217</td>
<td>310</td>
</tr>
<tr>
<td>Dropping Point, °C (°F)</td>
<td>D-2265</td>
<td>270 (520)</td>
</tr>
<tr>
<td>Roll Stability (% Change)</td>
<td>D-1831</td>
<td>292 (+4.3)</td>
</tr>
<tr>
<td>Rust Prevention</td>
<td>D-1743</td>
<td>Pass</td>
</tr>
<tr>
<td>Timken, OK Load, Lbs</td>
<td>D-2509</td>
<td>60</td>
</tr>
<tr>
<td>Oil Separation, % Loss</td>
<td>D-1742</td>
<td>0.3</td>
</tr>
<tr>
<td>Four-Ball Wear Protection, Scar Diameter, mm</td>
<td>D-2266</td>
<td>0.4</td>
</tr>
<tr>
<td>Four-Ball EP Performance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Load Wear Index</td>
<td>D-2596</td>
<td>100</td>
</tr>
<tr>
<td>Weld Point, Kgf</td>
<td>D-2596</td>
<td>500</td>
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<tr>
<td>Water Washout</td>
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<td></td>
</tr>
<tr>
<td>Percentage (% Loss, @ 100°F</td>
<td></td>
<td>N/A</td>
</tr>
<tr>
<td>Percentage (% Loss, @ 175°F</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Mobility at 0°F, gm/sec</td>
<td>USS Method</td>
<td>0.20</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>--</td>
<td>-10 to 230°C</td>
</tr>
<tr>
<td>°C (°F)</td>
<td></td>
<td>(14 to 446°F)</td>
</tr>
<tr>
<td>Color</td>
<td>--</td>
<td>Royal Blue</td>
</tr>
</tbody>
</table>

**Omega 85 "Shear Sensation Plus" exceeds the requirements of specification NLGI GC/LB (ASTM D-4950).**
MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name/Code         Omega 85

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

SECTION 2 - HAZARDS IDENTIFICATION

Not classified as hazardous.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS Number</th>
<th>Wt.%</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highly refined mineral oil**</td>
<td>64742-65-0</td>
<td>60-100</td>
<td>-</td>
</tr>
<tr>
<td>Highly refined mineral oil**</td>
<td>64742-52-5</td>
<td>30-60</td>
<td>-</td>
</tr>
</tbody>
</table>

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.
SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media: Dry chemical, carbon dioxide. Do not use water.
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. Keep away from feed and food products.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ACGIH TLV

Highly refined mineral oil 5mg/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: Royal blue
Odour: Mineral oil odour
pH: N.A.
Specific Gravity: 1.02
Vapour Pressure: N.A.
Boiling Point: N.A.
Melting Point: N.A.
Flash Point: Above 235°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 such as hydrogen peroxide, chromic acid, bromine.

Toxic compounds may form on thermal decomposition. Hazardous combustion products: carbon monoxide, carbon dioxide, oxides of phosphorous from burning; oxides of nitrogen and sulphur; sulphur dioxide and hydrogen sulphide depend upon decomposition conditions; oxides of calcium.

SECTION 11 - TOXICOLOGICAL INFORMATION

There is no lethal dose information available.

Inhalation: Inhalation of solvent vapours can cause irritation of the respiratory tract. High concentrations of oils, mists, sprays 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.
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

-

SECTION 16 - OTHER INFORMATION

R-phrases: -
S-phrases: -

**The highly refined mineral oil used in this product contains less than 3% DMSO extract as measured by IP 346.

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.