



The Ultimate Lubricant

99

DESCRIPTION:

Omega 99 is an acid-resistant, water-proof, alkali-proof, high heat resistant, metal preserving lubricant. It prevents metal seizure and enhances the ease with which equipment can be efficiently dismantled for maintenance purposes.

LONG-TERM PROTECTION:

Omega 99 provides long-term protection that will not wash away or evaporate over extended periods.

RELEASE ACTION:

Omega 99 contains a proprietary package of additives that dissolve any existing formations of corrosion and rust, leaving the metal surface as good as new. It can be used as a releasing agent for corrosively-interlocked parts, components and fasteners.

MICRONIZED METALS:

Omega 99 contains highly micronized metals that fill in pitted, corroded areas. This action is not only one of protection, but also one of repair to the metal surface.

THREAD LUBRICANT:

Omega 99 is also an advanced thread lubricant that forms a life-long protection shield against oxidation and its cancerous, corrosive results.

STRONG PHYSICAL PROPERTIES:

Omega 99 provides long-term protection and dismantling ease because it dissolves the interlocking problems caused by oxidation. It forms a fine, tough lubricant film that shields the metal below.

Ordinary solvents used for releasing, often do considerably more damage to the parts, components and the surrounding areas, than they do releasing the interlock. Omega 99 is completely harmless and will not damage or corrode surrounds and intricate components locked into the trouble area.

NON-TOXIC:

Omega 99 is non-toxic and can be used in both open and confined spaces.

PENETRABILITY:

Omega 99 has unparalleled penetration capabilities. Not only does it get down under heavy corrosive areas and release interlocked parts, but it also penetrates the fine pores in the metal surfaces and lifts the secondary corrosion formations, thereby ensuring that rust is inhibited and seizure of parts is brought to a halt.

MAGNETIFERROUS INGREDIENTS:

Omega 99 contains synergistic corrosion-inhibiting additives that become highly active when brought into contact with the molecular formation of oxides (due to corrosion and rusting). A rapid disintegration action takes place, whereby the oxides are rendered neutral. This in turn protects the metal surface from corrosion.

EASE OF APPLICATION:

Omega 99 can be used on almost all areas. It releases and protects nuts, bolts, studs, gaskets, washers, plugs, tube connections, steam pipes and fluid carriers.

APPLICATION:

Ideally Omega 99 should be used on all components and parts BEFORE the cancer of rust sets in, especially on such applications as conveyers, carriers, generators, scaffolding, lift erector cranes and hoists, cable joints, studs, turbines and crankpins, bearings and tracers, cams and lifter, joints and fittings and similar corrosion-prone apparatus.

OPERATING TEMPERATURE RANGE:

Omega 99 remains completely stable over an extreme temperature range of -130°C to 1093°C (or -200°F to 2000°F). This makes Omega 99 suitable for 99% of operating conditions on any type of machinery or equipment.

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SDS-ID: GB-EN/9.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: Omega 99
Container size: 1 lb (0,45 kg) & 5 kg

1.2. Relevant identified uses of the substance or mixture and uses advised against

Application: Lubricating grease.

1.3. Details of the supplier of the safety data sheet

<u>Supplier:</u>	GB importer:	<u>Distributed by:</u>	Trust Engineering Company
<u>Manufacturer:</u>	ITW PP & F Korea Limited 13th Fl., Unit B, PAX Tower 609 Eonju-ro, Gangnam-Gu Seoul, Korea 06108 Tel:+82-2-2088-3560 Fax:+82-2-513-3567 magna@magnagroup.com www.magnagroup.com	9 Abdel Hamid El Deeb Street Alexandria, 21613 Egypt T: +(20)3 5822779 T: +(20)10 1223554 5 Ahmed Shaker Street Fourth Zone Nasr City, 11586 Egypt T: +(20)2 26909965 T: +(20)10 1223553 info@trustengineering-eg.com www.trustengineering-eg.com	
<u>Further information can be obtained from:</u>	magna@magnagroup.com		

1.4. Emergency telephone number

Emergency telephone: Call a Poison Center, emergency number or doctor/physician.
NHS: 111

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SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

CLP: The product is classified: Aquatic Chronic 3;H412

2.2. Label elements

Contains: Copper

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local regulations.

2.3. Other hazards

PBT/vPvB: This product does not contain any PBT or vPvB substances.

Other: Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping. The harmful effects may increase in used grease.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

The product contains: mineral oil and additives .

All substances in the product are either registered or exempt from registration under REACH.

Only classified substances above threshold limits or substances with an exposure limit are shown.

CLP:

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
30-60	8032-32-4	232-453-7	01-2119474695-24-XXXX	Ligroine	Asp. Tox. 1;H304	
15-40	7782-42-5	231-955-3	01-2119486977-12-XXXX	Graphite	-	#
7-13	7440-50-8	231-159-6	01-2119480154-42-XXXX	Copper	Aquatic Acute 1;H400 Aquatic Chronic 3;H412	
3-7	7429-90-5	231-072-3	01-2119529243-45-XXXX	Aluminium		#

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<u>Chemical name:</u>	<u>SCL</u>	<u>M (ac)</u>	<u>M (chr)</u>	<u>ATE(o)</u> <u>(mg/kg</u> <u>bw)</u>	<u>ATE(d)</u> <u>(mg/kg</u> <u>bw)</u>	<u>ATE(i)</u> <u>(vapour,</u> <u>mg/L)</u>
Ligroine		-	-	-	-	-
Graphite		-	-	-	-	-
Copper		1	-	-	-	-
Aluminium		-	-	-	-	-

Notes: #: The substance has been assigned an exposure limit.

References: The full text for all hazard statements is displayed in section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Move into fresh air and keep at rest. In case of persistent throat irritation or coughing: Seek medical attention and bring these instructions.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water. In case of rashes, wounds or other skin disorders: Seek medical attention and bring along these instructions.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

Ingestion: Immediately rinse mouth and drink 1-2 glasses of water. Keep person under observation. If uncomfortable: Transportation to hospital. Bring along these instructions.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects: See section 11 for more detailed information on health effects and symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: Treat symptomatically.

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SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.
Small fires: Extinguish with carbon dioxide or dry powder.
Larger fires: Extinguish with foam, carbon dioxide or dry powder.
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards: During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Protective equipment for fire-fighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid contact with skin and eyes. Follow precautions for safe handling described in this safety data sheet.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Absorb spillage with oil-absorbing material. Clean contaminated area with oil-removing material.

6.4. Reference to other sections

References: For personal protection, see section 8.
For waste disposal, see section 13.

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SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Safe handling advice: Observe good chemical hygiene practices. Avoid prolonged and repeated contact with grease, particularly used grease. Always remove grease with soap and water or skin cleaning agent, never use organic solvents.

Technical measures: Work practice should minimise contact.

Technical precautions: When working with heated grease, mechanical ventilation may be required.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures for safe storage: No special precautions.

Storage conditions: Store in tightly closed original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific use(s): Not relevant.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

<u>CAS-No.:</u>	<u>Chemical name:</u>	<u>As:</u>	<u>Exposure limits:</u>	<u>Type:</u>	<u>Notes:</u>	<u>References:</u>
7782-42-5	Graphite, respirable dust	-	4 mg/m3	TWA	-	EH40
7782-42-5	Graphite, inhalable dust	-	10 mg/m3	TWA	-	EH40
7440-50-8	Copper, dusts and mists	Cu	1 mg/m3	TWA	-	EH40
		-	2 mg/m3	STEL	15min	
7440-50-8	Copper, fume	-	0.2 mg/m3	TWA	-	EH40
7429-90-5	Aluminium metal, inhalable dust	-	10 mg/m3	TWA	-	EH40
7429-90-5	Aluminium metal, respirable dust	-	4 mg/m3	TWA	-	EH40

Notes:

EH40: EH40/2005.

8.2. Exposure controls

Engineering measures:

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours. When working with heated grease, mechanical ventilation may be required. Provide access to washing facilities incl. soap, skin cleanser and fatty cream.

Personal protection:

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment:

In case of inadequate ventilation use suitable respirator. Use respiratory equipment with particle filter, type P2.

Hand protection:

Risk of contact: Wear protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection:

Risk of contact: Wear goggles/face shield.

Skin protection:

Wear apron or protective clothing in case of contact.

Hygiene measures:

Wash hands after handling.

Environmental Exposure Controls:

Not available.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state: grease / copper-coloured paste

Odour: Petroleum.

Odour threshold: Not available.

pH: not relevant

Melting point / freezing point: Not available.

Boiling point: not available

Flash point: 213 °C

Evaporation rate: Not available.

Flammability (solid, gas): Not applicable.

Explosive limits not available

Vapour pressure: not available

Vapour density: Not available.

Relative density: 1,31

Solubility: insoluble in water

Partition coefficient (n-octanol/water): Not available.

Auto-ignition temperature (°C): Not available.

Decomposition temperature (°C): not available

Viscosity: Not available.

Explosive properties: Non-explosive

Oxidising properties: None known.

9.2. Other information

Other data: Not available.

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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity: Not reactive.

10.2. Chemical stability

Stability: Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Hazardous Reactions: None known.

10.4. Conditions to avoid

Conditions to avoid Heat, sparks, flames.

10.5. Incompatible materials

Incompatible materials: Strong oxidising substances, strong acids and strong bases.

10.6. Hazardous decomposition products

Hazardous decomposition products: None known.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

The harmful effects may increase in used grease.

Acute Toxicity (Oral): Based on available data, the classification criteria are not met.

Acute Toxicity (Dermal): Based on available data, the classification criteria are not met.

Acute Toxicity (Inhalation): Based on available data, the classification criteria are not met.

Skin Corrosion/Irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive Toxicity: Based on available data, the classification criteria are not met.

STOT - Single exposure: Based on available data, the classification criteria are not met.

STOT - Repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Inhalation: Inhalation of oil mist or vapours formed during heating of the product will irritate the respiratory system and provoke coughing.

Skin contact: Degreasing. Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping.

Eye contact: Direct contact may irritate.

Ingestion: May irritate and cause malaise.

Specific effects: Prolonged or repeated contact with used grease may cause serious skin diseases, such as dermatitis. The harmful effects may increase in used grease.

11.2. Information on other hazards

Endocrine disrupting properties: The product does not contain any substance identified as having endocrine disrupting properties.

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SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity: There are no data on the ecotoxicity of this product. Harmful to aquatic life with long lasting effects.

Copper:
M(ac) = 1

Greases are generally hazardous to the environment.

12.2. Persistence and degradability

Degradability: The product contains inorganic compounds which are not biodegradable. The other substances of the product are slowly biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation.

12.4. Mobility in soil

Mobility: The product is insoluble in water and will sediment in water systems.

12.5. Results of PBT and vPvB assessment

PBT/vPvB: This product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

Endocrine disrupting properties: The product does not contain any substance identified as having endocrine disrupting properties.

12.7. Other adverse effects

Other adverse effects: None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

Waste from residues: EWC-code: 12 01 12

Contaminated packaging: Dispose of contaminated packings as residue.

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SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/AND/RID).

14.1. UN number

UN-No: -

14.2. UN proper shipping name

Proper Shipping Name: -

14.3. Transport hazard class(es)

Class: -

14.4. Packing group

PG: -

14.5. Environmental hazards

Marine pollutant: -

Environmentally Hazardous substance: -

14.6. Special precautions for user

Special precautions: Not relevant.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk: Not relevant.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulation: UK Statutory Instruments, 2021 No. 904, CONSUMER PROTECTION ENVIRONMENTAL PROTECTION HEALTH AND SAFETY. The REACH etc. (Amendment) Regulations 2021.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.
The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019 No. 720), as amended.
EH40/2005, Workplace exposure limits 2005, with amendments.
The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

15.2. Chemical Safety Assessment

CSA status: No chemical safety assessment has been carried out.

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SECTION 16: OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions. The following sections contain revisions or new statements: 1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14, 15, 16.

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Abbreviations and acronyms used in the safety data sheet:

CSA= Chemical Safety Assessment.
M(ac) = M-factor acute toxicity.
PBT = Persistent, Bioaccumulative and Toxic.
vPvB = very Persistent and very Bioaccumulative.

Additional information: Classification according to Regulation (EC) No. 1272/2008: Calculation method.

Wording of H-statements:

H304 May be fatal if swallowed and enters airways.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

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