

Omega 907

DESCRIPTION:

Omega 907 is a specially formulated engine and compressor flushing compound that removes all harmful deposits in an engine with addition, and prior to flushing of old oil. This complete removal of accumulated sludge, through the use of Omega 907 Engine Flush enables the new oil to function at its peak performance, and thus protect and lubricate the engine parts to best effect.

WHAT HAPPENS WITHOUT OMEGA 907:

The increasingly high performance of more critically-designed engines means that engine oils have to work much harder to keep the engine operating smoothly. The highly competitive nature of most industries leads vehicle operators to stretch service intervals and operating loads to the maximum.

Modern engine oils are designed with complex additive packages that are produced with in-built limits of operating life. When such limits are exceeded, or if the oil is subject to operating in extreme conditions, the additives break down and no longer provide the engine with proper protection.

1. Anti-wear agents break-up and metallic engine parts start throwing off minute chips and particles that are circulated by the overworked engine oil.
2. Corrosion Inhibitors are progressively weakened until the acids formed by the chemical combustion cycle residue start to attack rings, valves, cylinders, walls, bearings, etc.
3. The Detergents and Dispersants lose their ability to keep the engine sludge in suspension due to 'overload', and deposits start to adhere and gum to parts, eventually forming varnish with operating heat.
4. The complex by-products of the above additive deterioration are circulated throughout the engine and valves, leading to a vicious cycle of engine parts

attrition.

5. The Glycol anti-freeze agent in motor oil starts destroying the additives, and the engine's performance gradually deteriorates until complete failure results.

WHAT HAPPENS DURING A NORMAL OIL CHANGE:

As motor oil additives reach the end of their operating life, through overwork, there are literally dozens of engine damaging impurities in suspension (if the detergents are still functioning) or coating the whole engine.

A normal engine oil change flushes away part of the suspended impurities but leaves at least a pint (600 ml) of the old oil within the sump, coating engine surfaces, and, in severe cases, gumming up engine parts.

When a new oil is added during a normal oil change, the impurities in the old oil and those still coating the engine parts immediately start to react with the new oil's additives. The new oil's additives are put immediately to use combating the impurities of the old oil, and cannot, therefore, even provide engine protection at the very start of its operating life!

The new oil provides a diminished level of protection from the beginning of its service life and, in severe cases, no protection at all! With every successive oil change, the condition worsens until an engine seizure takes place.

WHEN YOU USE OMEGA 907:

Omega 907, when added to old oil just prior to drainage, will immediately act on the gumming and varnish deposits on all engine parts to quickly destroy their metallic adhesion and suspend them in the tired oil for easy removal with drainage.

Omega 907's specially formulated neutralizing action, combats acid conditions prevalent in the residue oil, to prevent corrosive damage. Omega 907 also breaks down glycol and its resultant residues, to protect the engine parts from the anti-lubrication properties inherent to glycol.

Omega 907, unlike ordinary flushes, is added to an operating engine and thus also removes varnish and deposits from valves and hydraulic lifters, to ensure

proper post-application operation.

The all-encompassing cleaning and flushing properties of Omega 907 help ensure that when the Omega 907-treated old oil is drained from crankcases, all harmful residues are removed as well. This in turn enables the new motor oil, added after drainage, to perform properly without being subject to immediate deterioration caused by old oil impurities remaining in the engine.

APPLICATION:

For Engines:

1. Turn engine off after attaining normal operating temperature.
2. Add 300ml of Omega 907 to every 3 litre of engine oil capacity.
3. Start and Idle engine for 10 minutes, then drain crankcase while hot.
4. Replace oil plug, change filters and add fresh new Omega engine oil.
5. Repeat application every 10,000 km or with each oil change to ensure maximum engine protection.

For Compressors:

1. Add 10% by volume Omega 907 to the existing compressor oil.
2. Run compressor at low loading for 30 minutes.
3. Drain and refill with new oil.

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

1.1. Product identifier

Product name: Omega 907

Container size: 300 ml, 5 l ****Manufactured in Australia****

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

Application: Rinsing of engines.

1.3. Details of the supplier of the safety data sheet

Supplier: EU importer: Sovereign Lubricants (UK) Ltd, Crowtrees Lane,
Rastrick, West Yorkshire, HD6 3LZ
T: 01484 718674 - F: 01484 400164
enquiries@sovereign-omega.co.uk
www.sovereign-omega.co.uk

Manufacturer Omega Manufacturing Division
13th floor, Unit B, PAX Tower, 609 Eonju-ro
Gangnam-Gu, Seoul
Korea 06108
Tel:+82-2-2088-3560
Fax:+82-2-513-3567

1.4. Emergency telephone number

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

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SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

CLP: Carc. 2;H351
Aquatic Chronic 3;H412

2.2. Label elements



Warning

Contains: Fuels, diesel, No 2; Gasoil-unspecified
H351 Suspected of causing cancer.
H412 Harmful to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

P201 Obtain special instructions before use.
P280 Wear protective clothing, gloves, eye and face protection.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P273 Avoid release to the environment.
P501 Dispose of contents/container as hazardous waste.
Restricted to professional users.

2.3. Other hazards

Other: Prolonged or repeated contact with skin may cause redness, itching, irritation, eczema, skin cracking and oil acne. The harmful effects may increase in used oil. Degreasing to skin.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

The product contains: mineral oil and additives.

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>
10-<25	68476-34-6	270-676-1	-	Fuels, diesel, No 2; Gasoil-unspecified	Carc. 2;H351 Asp. Tox. 1;H304 Aquatic Chronic 2;H411 EUH066	

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

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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 or after inhalation of oil mist: Seek medical attention and bring along 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 up to 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 plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring 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.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media: 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.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid inhalation of oil mist and 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.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Safe handling advice: Observe good chemical hygiene practices. Avoid any exposure. Always remove oil with soap and water or skin cleaning agent, never use organic solvents. Do not use oil-contaminated clothing or shoes, and do not put rags moistened with oil into pockets.

Technical measures: Work practice should minimise contact. Use work methods which minimise oil mist production.

Technical precautions: When working with heated oil, 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.

7.3. Specific end use(s)

Specific use(s): Lubricant.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No occupational exposure limit assigned.

8.2. Exposure controls

<u>Engineering measures:</u>	Provide adequate ventilation and minimise the risk of inhalation of vapours and oil mist. Provide access to washing facilities incl. soap, skin cleanser and fatty cream.
<u>Personal protection:</u>	Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
<u>Respiratory equipment:</u>	In case of inadequate ventilation or risk of inhalation of oil mist, suitable respiratory equipment with combination filter (type A2/P3) can be used.
<u>Hand protection:</u>	Wear protective gloves. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. Other types of gloves can be recommended by the glove supplier.
<u>Eye protection:</u>	Risk of contact: Wear goggles/face shield.
<u>Skin protection:</u>	Wear special protective clothing.
<u>Hygiene measures:</u>	When using do not eat, drink or smoke. Wash hands after contact. Wash contaminated clothing before reuse. Personal protection may not be worn during meal breaks. Personal protection must be kept separate from other clothes. Do not store tobacco, food or beverage in work rooms or areas where the product is used.
<u>Environmental Exposure Controls:</u>	Not available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<u>Appearance:</u>	Amber-coloured liquid
<u>Odour:</u>	hydrocarbon
<u>pH:</u>	not available
<u>Boiling point:</u>	not available
<u>Flash point:</u>	100°C
<u>Explosive limits</u>	not available
<u>Vapour pressure:</u>	not available
<u>Relative density:</u>	~0,9
<u>Solubility:</u>	insoluble in water
<u>Decomposition temperature (°C):</u>	not available

9.2. Other information

<u>Other data:</u>	kinematic viscosity at 40°C: >7 mm ² /s
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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 Avoid heat.

10.5. Incompatible materials

Incompatible materials: Strong oxidising substances.

10.6. Hazardous decomposition products

Hazardous decomposition products: None in particular.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

The harmful effects may increase in used oil.

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 frequent contact may cause redness, itching, irritation, eczema, skin cracking and oil acne.

Eye contact: Splashes may irritate.

Ingestion: May irritate and cause malaise.

Specific effects: Limited evidence of a carcinogenic effect. Prolonged or repeated contact with used oil may cause serious skin diseases, such as dermatitis and skin cancer.

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SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Oil spills are generally hazardous to the environment.

12.2. Persistence and degradability

Degradability: The product is expected to be slowly biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT/vPvB: Not relevant.

12.6. 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 is classified as hazardous waste.

Waste from residues: EWC-code: 13 02 05

Contaminated packaging: EWC-code: 15 01 10

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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/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: None known.

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

Transport in bulk: Not relevant.

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SECTION 15: REGULATORY INFORMATION

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

Special provisions: As a general rule, persons under 18 years of age are not allowed to work with this product. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.

National regulation: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, with amendments.

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.

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The Control of Substances Hazardous to Health Regulations 2002 (S.I. 2002 No. 2677) with amendments.

EH40/2005, Workplace exposure limits 2005, with amendments.

The Management of Health and Safety at Work Regulations 1999 (SI 1999 No. 3242), 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

For restrictions on use see section 15.

Handling of used oils:

Protect health - avoid prolonged and repeated skin contact. Wash with soap and water. Protect the environment - do not pollute drains, water courses or the soil. Contact your local authority for any used oil disposal instructions.

The following sections contain revisions or new statements: 1, 2

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Wording of H-statements:

H304	May be fatal if swallowed and enters airways.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

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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