

SAFETY DATA SHEET



Product name: Omega 57
Revision Date: 2013-08-22
Product No.:

Page: 1/8
Print date: 2013-08-22
SDS-ID: GB-EN/6.0

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

1.1. Product identifier

Product name: Omega 57
Container size: 400 g, 5 kg, 15 kg & 55 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

Supplier: EU importer:

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Responsible for safety data sheet authoring: SDS_info@dhigroup.com

1.4. Emergency telephone number

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

The product is not classified.

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

Environment: Greases are generally hazardous to the environment. The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

2.2. Label elements

Based on information from the manufacturer regarding the chemical composition, the product is not liable to classification, but the following labelling must be applied:

Contains Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxid, propylenoxide and amines, C12-14 alkyl (branched). May produce an allergic reaction.

2.3. Other hazards

PBT/vPvB: Not relevant.

SAFETY DATA SHEET

Product name:	Omega 57	Page:	2/8
Revision Date:	2013-08-22	Print date:	2013-08-22
Product No.:		SDS-ID:	GB-EN/6.0

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

The product contains: mineral oil and additives .

67/548/EEC:

<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	64742-52-5	265-155-0	01-2119467170-45 -xxxx	Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil-unspecified	-	L
30-60	64742-54-7	265-157-1	01-2119484627-25 -xxxx	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil-unspecified	-	L
0,1-1	-	931-384-6	01-2119493620-38 -xxxx	Reaction products of bis(2 -methylpentan-2 -yl)dithiophosphoric acid with phosphorus oxid, propylenoxide and amines, C12-14 alkyl (branched)	Xn;R22 Xi;R41 R43 N;R51- 53	
0,1-1	68457-79-4	270-608-0	01-2119493628-22 -xxxx	Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts	Xi;R38-41 N;R51-53	

Notes: L: DMSO<3% (IP 346)

GHS/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	64742-52-5	265-155-0	01-2119467170-45 -xxxx	Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil-unspecified	-	L
30-60	64742-54-7	265-157-1	01-2119484627-25 -xxxx	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil-unspecified	-	L
0,1-1	-	931-384-6	01-2119493620-38 -xxxx	Reaction products of bis(2 -methylpentan-2 -yl)dithiophosphoric acid with phosphorus oxid, propylenoxide and amines, C12-14 alkyl (branched)	Flam. Liq. 3;H226 Acute Tox. 4;H302 Eye Dam. 1;H318 Skin Sens. 1;H317 Aquatic Chronic 2;H411	
0,1-1	68457-79-4	270-608-0	01-2119493628-22 -xxxx	Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts	Skin Irrit. 2;H315 Eye Dam. 1;H318 Aquatic Chronic 2;H411	

Notes: L: DMSO<3% (IP 346)

References: The full text for all R-phrases and hazard statements are displayed in section 16.

SAFETY DATA SHEET

Product name:	Omega 57	Page:	3/8
Revision Date:	2013-08-22	Print date:	2013-08-22
Product No.:		SDS-ID:	GB-EN/6.0

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 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: Not known.

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.

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.

SAFETY DATA SHEET

Product name:	Omega 57	Page:	4/8
Revision Date:	2013-08-22	Print date:	2013-08-22
Product No.:		SDS-ID:	GB-EN/6.0

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 cool and well-ventilated place.

7.3. Specific end use(s)

Specific use(s): Not relevant.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No occupational exposure limit assigned.

8.2. Exposure controls

Engineering measures: Provide adequate ventilation. 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. PVC gloves are recommended. Other types of gloves can be recommended by the glove supplier.

Eye protection: Risk of contact: Wear goggles/face shield.

Hygiene measures: Wash hands after handling. Change contaminated clothing.

Environmental Exposure Controls: Not available.

SAFETY DATA SHEET

Product name:	Omega 57	Page:	5/8
Revision Date:	2013-08-22	Print date:	2013-08-22
Product No.:		SDS-ID:	GB-EN/6.0

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: Grease. (blue)

Odour: Petroleum.

pH: not relevant

Melting point: > 200°C

Flash point: > 200°C

Explosion limits: not available

Vapour pressure: not available

Relative density: 0,85-0,90

Solubility: Insoluble in water.
Soluble in: Oil

Auto-ignition temperature (°C): > 200°C

Decomposition temperature (°C): not available

9.2. Other information

Other data: Not relevant.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity: None known.

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/materials to avoid: None specific.

10.5. Incompatible materials

Incompatible materials: Strong oxidising substances.

10.6. Hazardous decomposition products

Hazardous decomposition products: None in particular.

SAFETY DATA SHEET

Product name:	Omega 57	Page:	6/8
Revision Date:	2013-08-22	Print date:	2013-08-22
Product No.:		SDS-ID:	GB-EN/6.0

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

The harmful effects may increase in used grease.

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. The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals in contact with skin.

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.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity: Greases are generally hazardous to the environment. The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

12.2. Persistence and degradability

Degradability: The product is slowly degradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Bioaccumulation: Is not expected to be bioaccumulable.

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: 12 01 12

SAFETY DATA SHEET

Product name:	Omega 57	Page:	7/8
Revision Date:	2013-08-22	Print date:	2013-08-22
Product No.:		SDS-ID:	GB-EN/6.0

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 73/78 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: Statutory Instruments 2008 No. 2852 - The REACH Enforcement Regulations 2008.
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, including amendments.
The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).
The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

15.2. Chemical Safety Assessment

CSA status: Not relevant.

SAFETY DATA SHEET

Product name: Omega 57 Page: 8/8
Revision Date: 2013-08-22 Print date: 2013-08-22
Product No.: SDS-ID: GB-EN/6.0

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: 2, 3, 7, 8, 9, 11, 12.

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Wording of
R-phrases/H-statements:

R22	Harmful if swallowed.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H411	Toxic 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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