

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Boost Oil Gear Oil 75W-90 GL-4

Revision date: 22.06.2020

Product code: MIT0150

Page 1 of 8

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Boost Oil Gear Oil 75W-90 GL-4

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.3. Details of the supplier of the safety data sheet**

| | | |
|---------------|----------------------|--------------------------|
| Company name: | Boost Oil Lubricants | |
| Street: | Auf dem Texas 11 | |
| Place: | D-28857 Syke | |
| Telephone: | 0049/4242160391 | Telefax: 0049/4242160392 |

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Harmful to aquatic life with long lasting effects.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

| | |
|------|---|
| P103 | Read label before use. |
| P102 | Keep out of reach of children. |
| P101 | If medical advice is needed, have product container or label at hand. |
| P273 | Avoid release to the environment. |
| P501 | Dispose of contents/container to an appropriate recycling or disposal facility. |

Labelling of packages where the contents do not exceed 125 ml**Hazard statements**

H412

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Preparation of synthetic oils and additives.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Boost Oil Gear Oil 75W-90 GL-4

Revision date: 22.06.2020

Product code: MIT0150

Page 2 of 8

Hazardous components

| CAS No | Chemical name | Quantity |
|--------------|---|------------------|
| | EC No | |
| | Index No | |
| | REACH No | |
| | GHS Classification | |
| 1213789-63-9 | Z)-octadec-9-enylamine, C16-18-(even numbered, | < = 1 % |
| | 627-034-4 | 01-2119473797-19 |
| | Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, STOT SE 3, STOT RE 2, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H318 H335 H373 H304 H400 H410 | |
| | Reaction products of bis (2-methylpentan-2-yl) dithiophosphoric acid with phosphore, propylene oxide and amine, C 12-14 -alkyl (branched) | < = 1 % |
| | 931-384-6 | 01-2119493620-38 |
| | Acute Tox. 4, Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 2; H302 H318 H317 H411 | |

Full text of H and EUH statements: see section 16.

Further Information

The product contains less than 3% DMSO extract (method IP346). A classification as a carcinogen with R45 is deleted. (Note L)

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove affected person from the danger area and lay down.

After inhalation

Provide fresh air.

IF INHALED: Call a doctor if you feel unwell.

After contact with skin

Take off immediately all contaminated clothing and wash it before reuse.

After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink plenty of water.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings. Carbon dioxide (CO₂). Extinguishing powder

In case of major fire and large quantities: Water spray jet

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Non-flammable. In case of fire may be liberated:

Sulphur dioxide (SO₂) Carbon dioxide (CO₂) Carbon monoxide

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Boost Oil Gear Oil 75W-90 GL-4

Revision date: 22.06.2020

Product code: MIT0150

Page 3 of 8

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

No special measures are necessary.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed.

Hints on joint storage

No special measures are necessary.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****DNEL/DMEL values**

| CAS No | Substance | Exposure route | Effect | Value |
|--------------------------|---|----------------|----------|--------------------------|
| | Reaction products of bis (2-methylpentan-2-yl) dithiophosphoric acid with phosphore, propylene oxide and amine, C 12-14 -alkyl (branched) | | | |
| Worker DNEL, long-term | | inhalation | systemic | 8,56 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 12,5 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 2,2 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 6,25 mg/kg bw/day |
| Consumer DNEL, acute | | dermal | local | 0,024 mg/cm ² |
| Consumer DNEL, long-term | | oral | systemic | 0,25 mg/kg bw/day |

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Boost Oil Gear Oil 75W-90 GL-4

Revision date: 22.06.2020

Product code: MIT0150

Page 4 of 8

PNEC values

| CAS No | Substance | |
|--|---|-------------|
| Environmental compartment | | Value |
| | Reaction products of bis (2-methylpentan-2-yl) dithiophosphoric acid with phosphore, propylene oxide and amine, C 12-14 -alkyl (branched) | |
| Freshwater | | 0,001 mg/l |
| Freshwater (intermittent releases) | | 0,085 mg/l |
| Marine water | | 0,0001 mg/l |
| Freshwater sediment | | 14,4 mg/kg |
| Marine sediment | | 1,44 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 24,33 mg/l |
| Soil | | 10 mg/kg |

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls



Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Eye/face protection

Wear eye protection/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|------------------|
| Physical state: | Liquid |
| Colour: | brown |
| Odour: | Mineral-oil-like |

pH-Value: not determined

Changes in the physical state

Melting point: not determined

Initial boiling point and boiling range: not determined

Pour point: -42 °C ISO 3016

Flash point: 216 °C DIN ISO 2592

Test method

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Boost Oil Gear Oil 75W-90 GL-4

Revision date: 22.06.2020

Product code: MIT0150

Page 5 of 8

Flammability

Solid: not applicable
Gas: not applicable

Explosive properties

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Lower explosion limits: 0,6 vol. %
Upper explosion limits: 6,5 vol. %

Auto-ignition temperature

Solid: not applicable
Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidising.

Vapour pressure: not determined
(at 20 °C)Density (at 20 °C): 0,883 g/cm³ DIN 51757

Water solubility: The study does not need to be conducted because the substance is known to be insoluble in water.

Solubility in other solvents

not determined

Partition coefficient: not determined

Viscosity / kinematic: 115 mm²/s DIN 51562
(at 40 °C)

Vapour density: not determined

Evaporation rate: not determined

9.2. Other information

Solid content: not determined

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Oxidising agent, strong

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Boost Oil Gear Oil 75W-90 GL-4

Revision date: 22.06.2020

Product code: MIT0150

Page 6 of 8

Acute toxicity

| CAS No | Chemical name | | | | |
|--------------|---|-----------------|---------|----------|--------|
| | Exposure route | Dose | Species | Source | Method |
| 1213789-63-9 | Z)-octadec-9-enylamine, C16-18-(even numbered, | | | | |
| | oral | ATE 500 mg/kg | | | |
| | Reaction products of bis (2-methylpentan-2-yl) dithiophosphoric acid with phosphore, propylene oxide and amine, C 12-14 -alkyl (branched) | | | | |
| | oral | LD50 2000 mg/kg | Rat | OECD 401 | |

SECTION 12: Ecological information**12.1. Toxicity**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

| CAS No | Chemical name | | | | | |
|--------|---|----------------|-----------|--------------------------------------|--------------|--------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| | Reaction products of bis (2-methylpentan-2-yl) dithiophosphoric acid with phosphore, propylene oxide and amine, C 12-14 -alkyl (branched) | | | | | |
| | Acute fish toxicity | LC50 8,5 mg/l | 96 h | Pimephales promelas (fathead minnow) | ECHA Dossier | |
| | Acute algae toxicity | ErC50 6,4 mg/l | 96 h | Pseudokirchneriella subcapitata | ECHA Dossier | |

12.2. Persistence and degradability

The product has not been tested.

| CAS No | Chemical name | | | | |
|--------|---|-------|----|--------|--|
| | Method | Value | d | Source | |
| | Evaluation | | | | |
| | Reaction products of bis (2-methylpentan-2-yl) dithiophosphoric acid with phosphore, propylene oxide and amine, C 12-14 -alkyl (branched) | | | | |
| | ASTM D-5864-95 | 3,6% | 28 | | |
| | ECHA Dossier | | | | |

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Boost Oil Gear Oil 75W-90 GL-4

Revision date: 22.06.2020

Product code: MIT0150

Page 7 of 8

according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

| | |
|--|--|
| 14.1. UN number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

Inland waterways transport (ADN)

| | |
|--|--|
| 14.1. UN number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

Marine transport (IMDG)

| | |
|--|--|
| 14.1. UN number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

Air transport (ICAO-TI/IATA-DGR)

| | |
|--|--|
| 14.1. UN number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

EU regulatory information

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 2 - clearly water contaminating

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Boost Oil Gear Oil 75W-90 GL-4

Revision date: 22.06.2020

Product code: MIT0150

Page 8 of 8

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 2,3,4,5,6,9,10,11,12,13,15,16.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

| | |
|-------------------------|--------------------------|
| Classification | Classification procedure |
| Aquatic Chronic 3; H412 | Calculation method |

Relevant H and EUH statements (number and full text)

H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)