# XENOL GEAR OIL 80W-90 GL-4

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 - Product identifier

Trade name/designation **XENOL GEAR OIL 80W-90 GL-4**
Chemical name
Product-type Mixture
Product code 0319

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

Relevant identified uses - Gear Oil

### 1.3 - Details of the supplier of the safety data sheet

XENOL ENERJİ A.Ş.
GEBKİM İhtisas OSB Nuri Türker Caddesi No:4
Dilovası / Kocaeli, Türkiye

Telephone : +90 262 646 11 01
Website : www.xenol.com / E-mail: info@xenol.com

### 1.4 - Emergency telephone number

- National Poisons Information Service of England: http://npis.org -
NHS 111: dial 111 United Kingdom

## SECTION 2: Hazards identification

### 2.1 - Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

| | |
|---|---|
| Not Classified | Not classified |

### 2.2 - Label elements

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Contains: Polysulfides, di-tert-Bu

**Signal word** : None
**Pictograms** : None
**Hazard statements** : None
**Precautionary statements** : None
**EUH-phrases**

| | |
|---|---|
| EUH208 | Contains Polysulfides, di-tert-Bu . May produce an allergic reaction. |
| EUH210 | Safety data sheet available on request. |

### 2.3 - Other hazards

## SECTION 3: Composition / information on ingredients

### 3.1 - Substances

Not applicable

### 3.2 - Mixtures

| Chemical name | No | % | Class(es) | Specific concentration limit |
|---|---|---|---|---|
| Polysulfides, di-tert-Bu | CAS No. : 68937-96-2<br>EC No. : 273-103-3<br>REACH No. : 01-2119540515-43-XXXX | >= 2 - < 3 | Aquatic Acute 1 - H400<br>Aquatic Chronic 1 - H410<br>Skin Sens. 1B - H317 | M-factor: 1 / 1 |
| (Z)-octadec-9-enylamine<br>INCI: OLEAMINE | CAS No. : 112-90-3<br>Index No. : 612-283-00-3<br>EC No. : 204-015-5 | > 0 - < 0,1 | Acute Tox. 4 Oral - H302<br>Aquatic Acute 1 - H400<br>Aquatic Chronic 1 - H410<br>Asp. Tox. 1 - H304<br>Skin Corr. 1B - H314<br>STOT RE 2 - H373<br>STOT SE 3 - H335 | M-factor: 10 / 10 |

## SECTION 4: First aid measures

### 4.1 - Description of first aid measures

| | |
|---|---|
| Following skin contact | - After contact with skin, wash immediately with plenty of water and soap.<br>- Change contaminated, saturated clothing.<br>- In case of skin reactions, consult a physician. |
| After eye contact | - Rinse immediately carefully and thoroughly with eye-bath or water. |
| After ingestion | - When in doubt or if symptoms are observed, get medical advice. |

### 4.2 - Most important symptoms and effects, both acute and delayed

| | |
|---|---|
| Symptoms and effects - Following inhalation | - No information available. |
| Symptoms and effects - Following skin contact | - The following symptoms may occur:<br>- Allergic reactions |
| Symptoms and effects - After eye contact | - No information available. |
| Symptoms and effects - After ingestion | - No information available. |

### 4.3 - Indication of any immediate medical attention and special treatment needed

- No information available.

## SECTION 5: Firefighting measures

### 5.1 - Extinguishing media

| | |
|---|---|
| Suitable extinguishing media | - ABC-powder<br>- Water mist<br>- Carbon dioxide (CO2) |
| Unsuitable extinguishing media | - Strong water jet |

### 5.2 - Special hazards arising from the substance or mixture

| | |
|---|---|
| Special hazards arising from the substance or mixture | - No information available. |

| | |
|---|---|
| Hazardous decomposition products | - No information available. |

### 5.3 - Advice for firefighters

- Do not allow run-off from fire-fighting to enter drains or water courses.

## SECTION 6: Accidental release measures

### 6.1 - Personal precautions, protective equipment and emergency procedures

| | |
|---|---|
| For non-emergency personnel | - Wear protective gloves. |
| For emergency responders | - Provide adequate ventilation.<br>- Use personal protection equipment. |

### 6.2 - Environmental precautions

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

### 6.3 - Methods and material for containment and cleaning up

| | |
|---|---|
| Methods and material for containment | - No information available. |
| Methods and material for cleaning up | - Absorb with liquid-binding material ( e.g. sand, diatomaceous earth, acid- or universal binding agents).<br>- Ventilate affected area. |
| Inappropriate techniques | - No information available. |

### 6.4 - Reference to other sections

- Disposal: See section 13
- Personal protection equipment: see section 8
- Safe handling: See section 7

## SECTION 7: Handling and storage

### 7.1 - Precautions for safe handling

| | |
|---|---|
| Recommendation | - No information available. |
| Advices on general occupational hygiene | - Avoid contact with skin, eyes and clothes.<br>- Wash hands before breaks and after work. |

### 7.2 - Conditions for safe storage, including any incompatibilities

- Keep/store only in original container.

### 7.3 - Specific end use(s)

- Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1 - Control parameters

- No information available.

### 8.2 - Exposure controls

| | |
|---|---|
| Appropriate engineering controls | - No information available. |
| Individual protection measures, such as personal protective equipment | - Lab coat.<br>- Wear protective gloves.<br>- Disposable gloves. |
| Environmental exposure controls | - No information available. |





## SECTION 9: Physical and chemical properties

### 9.1 - Information on basic physical and chemical properties

| | | | |
|---|---|---|---|
| Physical state | Liquid | Appearance | |
| Colour | | Odour | |

| | |
|---|---|
| Odour threshold | No data available |
| pH | No data available |
| Melting point | No data available |
| Freezing point | No data available |
| Boiling point | No data available |
| Flash point | 220 °C |
| Evaporation rate | No data available |
| flammability | No data available |
| Lower explosion limit | No data available |
| Upper explosion limit | No data available |
| Vapour pressure | No data available |
| Vapour density | No data available |
| Relative density | No data available |
| Density | 0,89 g/cm³ |
| Solubility (Water) | No data available |
| Solubility (Ethanol) | No data available |
| Solubility (Acetone) | No data available |
| Solubility (Organic solvents) | No data available |
| Log KOC | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |

| | |
|---|---|
| Kinematic viscosity | 13,5 mm²/s < V < 18,5 mm²/s<br>@ 100 °C |
| Dynamic viscosity | No data available |

Particle characteristics

| | |
|---|---|
| Particle size | No data available |
| Dustiness | No data available |
| Specific surface area | No data available |
| Shape | No data available |

### 9.2 - Other information

| | |
|---|---|
| VOC content | No data available |
| Minimum ignition energy | No data available |
| Conductivity | No data available |
| Refractive index | No data available |
| Solids content | No data available |
| Surface tension | No data available |
| Saturation concentration | No data available |

- No information available.

## SECTION 10: Stability and reactivity

### 10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

### 10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

### 10.4 - Conditions to avoid

- Stable under recommended storage and handling conditions.

### 10.5 - Incompatible materials

- No information available.

### 10.6 - Hazardous decomposition products

- No information available.

## SECTION 11: Toxicological information

### 11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

Toxicity : Mixture

| | |
|---|---|
| LD50 oral (rat) | No data available |
| LD50 dermal (rat) | No data available |

| | | |
|---|---|---|
| | LD50 dermal (rabbit) | No data available |
| | LC50 inhalation gas (rat) | No data available |
| | LC50 inhalation dusts and mists (rat) | No data available |
| | LC50 inhalation vapours (rat) | No data available |

- No information available.

Toxicity : Substances

| (Z)-octadec-9-enylamine (112-90-3) | |
|---|---|
| LD50 oral (rat) | 500 mg/kg<br>ATE |

| | |
|---|---|
| Skin corrosion/irritation | - Not classified |
| | - No information available. |
| Serious eye damage/eye irritation | - Not classified |
| | - No information available. |
| Respiratory or skin sensitisation | - Not classified |
| | - May cause an allergic skin reaction. |
| Germ cell mutagenicity | - Not classified |
| | - No information available. |
| Carcinogenicity | - Not classified |
| | - No information available. |
| Reproductive toxicity | - Not classified |
| | - No information available. |
| STOT-single exposure | - Not classified |
| | - No information available. |
| STOT-repeated exposure | - Not classified |
| | - No information available. |
| Aspiration hazard | - Not classified |
| | - No information available. |

### 11.2 - Information on other hazards

- No information available.

## SECTION 12: Ecological information

### 12.1 - Toxicity

Toxicity : Mixture

| | |
|---|---|
| EC50 48 hr crustacea | No data available |
| LC50 96 hr fish | No data available |

| | |
|---|---|
| ErC50 algae | No data available |
| ErC50 other aquatic plants | No data available |
| EL50 48 hr crustacea | No data available |
| LL50 96 hr fish | No data available |
| NOEC chronic fish | No data available |
| NOEC chronic crustacea | No data available |
| NOEC chronic algae | No data available |
| NOEC chronic other aquatic plants | No data available |

- Harmful to aquatic life with long lasting effects.

### 12.2 - Persistence and degradability

| | |
|---|---|
| Biochemical oxygen demand (BOD) | No data available |
| Chemical oxygen demand (COD) | No data available |
| % of biodegradation in 28 days | No data available |

- No information available.

### 12.3 - Bioaccumulative potential

| | |
|---|---|
| Bioconcentration factor (BCF) | No data available |
| Log KOC | No data available |

- No information available.

### 12.4 - Mobility in soil

- No information available.

### 12.5 - Results of PBT and vPvB assessment

### 12.6 - Endocrine disrupting properties

- No information available.

### 12.7 - Other adverse effects

- No information available.

## SECTION 13: Disposal considerations

### 13.1 - Waste treatment methods

| | |
|---|---|
| Waste treatment methods | - No information available. |
| Sewage disposal | - No information available. |
| Special precautions for waste treatment | - No information available. |
| Community or national or regional provisions | - Dispose of waste according to applicable legislation. |

## SECTION 14: Transport information

### 14.1 - UN number or ID number

Not applicable

### 14.2 - UN proper shipping name
Not applicable

### 14.3 - Transport hazard class(es)
Not applicable

### 14.4 - Packing group
Not applicable

### 14.5 - Environmental hazards
Not applicable

### 14.6 - Special precautions for user
Not applicable

### 14.7 - Maritime transport in bulk according to IMO instruments
Not applicable

## SECTION 15: Regulatory information

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

| | |
|---|---|
| Substances REACH candidates | None |
| Substances Annex XIV | None |
| Substances Annex XVII | None |
| VOC content | No data available |

### 15.2 - Chemical Safety Assessment

## SECTION 16: Other information

SDS versions

| Version | Issue date | Author | Description of the amendments |
|---|---|---|---|
| 1 | 19/06/2026 | | |

Certificate holder: Fatih Bilgin - Chemical Assessment Expert. Certificate No.: TUV/11.253.03 - Certificate date: 16/08/2024

Abbreviations and acronyms

- ADR: The Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE: Acute Toxicity Estimate.
- LC50: Lethal Concentration to 50 % of a test animals.
- LOEC: Lowest Observed Effect Concentration.
- LD50: Lethal Dose to 50% of a test animals.
- LOEL: Lowest Observed Adverse Effect Level.
- DNEL: Derived no-effect level.
- EC50: Effective concentration of the substance that causes adverse effects in 50% of test animals.
- IATA: International Air Transport Association.

- IMDG: International Maritime Dangerous Goods.
- EC No: European Community number
- NOEC: No Observed Effect Concentration.
- NOEL: No observable effect level.
- CAS No.: Chemical Abstracts Service number.
- ICAO: International Civil Aviation Organization
- PBT: Persistent, Bioaccumulative and Toxic.
- PNEC: Predicted no-effect concentration.
- RID: International Carriage of Dangerous Goods by Rail.
- STEL: Short-term exposure limit
- TWA: Time weighted average
- OEL: Occupational exposure limit.
- vPvB: very Persistent and very Bioaccumulative.

Texts of the regulatory sentences

| | |
|---|---|
| Acute Tox. 4 Oral | Acute toxicity (oral) - Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment - Aquatic Acute 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment - Aquatic Chronic 1 |
| Asp. Tox. 1 | Aspiration hazard - Category 1 |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H314 | Causes severe skin burns and eye damage. |
| H335 | May cause respiratory irritation. |
| H373 | May cause damage to organs through prolonged or repeated exposure . |
| H410 | Very toxic to aquatic life with long lasting effects. |
| Not Classified | Not classified |
| Skin Corr. 1B | Skin corrosion, Category 1B |
| Skin Sens. 1B | Skin sensitization - Category 1B |
| STOT RE 2 | STOT-repeated exposure - Category 2 |
| STOT SE 3 | STOT-single exposure - Category 3 (H335) |

The information provided in this Safety Data Sheet (SDS) is current on the date the SDS was prepared or revised. Implementation of measures that are provided on SDS is under downstream user companies' responsibility. Downstream users may change the measures in the SDS according to the conditions in their own business.

*** *** ***