

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830.

AKSOIL DOT 4

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING

1.1 Substance/Mixture Identifier

Product name: AKSOIL DOT 4

1.2 Relevant identified uses of the substance advised against

Identified Uses: Used as brake fluid.. Please consult a representative from the company for information about all special uses.

Used Advised Against: Unrecommended use is not defined.

1.3 Details of the supplier of the safety data sheet

Supplier: ALKİM PETROKİMYA SANAYİ VE TİCARET ANONİM ŞİRKETİ

Address: Kimya Sanayicileri Org. San. Bölgesi Aromatik Caddesi No:61
34956 Tuzla/Istanbul/TURKEY

Tel: +90 0216 593 24 60

Fax: +90 0216 593 24 68

email: info@alkimpetrokimya.com

1.4 Emergency telephone number: +90 0216 593 24 60

2. HAZARDS IDENTIFICATION

2.1. Classification of Article or Mixture

Eye dam:H318:Causes serious eye damage.

Repr. Sys. Tox.:H361:Suspected of damaging the unborn child or harming the reproduction

2.2. Label Elements



protection face protection

P280:Wear protective gloves protective gloves clothing wear eye

P201-P202-P281:Rezd the instructions before using.

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2.3 Other Damages

No danger is expected when the general precautions to be taken when working with mineral oil substances and chemical products, the warnings for use (section 7) and the instructions for personal protective equipment (section 8) are taken into account. Prevent the product from entering the nature uncontrolled.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

Mixture of base oil and performance additives.

Substance	EC No.	Cas No.	Reach Number	Concentration.	Class., H Expressions
Butyl Triglycol	205-592-06	143-22-6	01- 2119475107-38- XXXX	20-29.9	Eye Dam. 1, H318 (SCL: 30.00 %)
2,2' -oxybisethanol;	203-872-2	111-46-6	2119457857-21- XXXX	15-24	Acute Tox. 4, H302
Butyl Polyglycol	500-012-0	9004-77-7	01- 2119475115-41- XXXX	5-10	Eye Irrit. 2, H319 (SCL: 20.00 %)
2-(2-butoxyethoxy)ethanol;	203-961-6	112-34-5	01- 2119475104-44- XXXX	0-2.99	Eye Irrit. 2, H319
2-(2-methoxyethoxy)ethanol	203-906-6	111-77-3	01- 2119475100-52- XXXX	0-2.99	Repr. 2, H361d

4. FIRST AID MEASURES

General information: Get medical attention if the discomfort continues.

4.1. Description of First Aid Measures

4.1.1. Inhalation: Immediately remove affected person to fresh air. Rinse nose and mouth with

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water. If discomfort continues, seek medical attention.

4.1.2 Ingestion: Should not be forced to vomit. The mouth should be washed with plenty of water. In case of nausea and other symptoms, a doctor should be consulted with the label of the swallowed substance.

4.1.3. Skin contact: Wash thoroughly with soap and water. The clothing contaminated with oil should be removed and the area where it touches the skin should be washed with water. If there is ongoing irritation on the skin, a doctor should be consulted.

4.1.4 Eye contact: After cleaning your hands, keep your eyelids away from each other and rinse with water for at least 15 minutes. If irritation persists, consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Causes severe eye irritation and is harmful if swallowed.

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

Treat according to the symptoms.

5. FIRE FIGHTING MEASURES

5.1. Fire extinguishers

Suitable extinguishing media: Foam, dry chemical and spray water can be used for small fires. Fire department should be called in large-scale fires.

Unsuitable extinguishing media: Avoid contact with water.

5.2. Special hazards arising from the substance or mixture

Contains toxic gases after combustion. It can burn at high temperatures.

5.3. Advice for firefighters

Protective measures to be taken during fire fighting

Avoid breathing fire gases or vapours.

Special protective equipment for firefighters

Wear positive pressure self-contained breathing apparatus and suitable protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

The emergency team is notified. Unauthorized persons are removed from the environment. Any open flame sources that could cause the spilled product to catch fire are eliminated. When

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necessary, firefighting measures in section 8 are applied.

6.2. Environmental Precautions

Avoid water leakage, a protective ditch should be dug into sewage and drainage systems and/or a section should be established for dry sand, earth or similar absorbent materials. Use floating dams for water spills.

6.3. Methods and Materials for Containment and Cleaning Up

Absorb the spilled product with absorbent or inert matter. Store the waste material and the surface layer of oil-infected soil in a well-ventilated environment in closed containers. For disposal of waste, hand it over to the persons responsible for the disposal of hazardous waste appointed by the Ministry.

6.4. Other Information

No data available

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

By providing good ventilation in the working environment, it should be avoided to inhale the steam that may occur during use. Skin contact should be avoided and hygienic rules should be applied. Eye contact should be avoided and goggles or face mask should be used to prevent eye contact. Avoid eating, drinking and smoking while using the product. Disposable clothing should be used. Dispose of contaminated clothing without packaging. While taking oil from the barrel, protective shoes should be worn and appropriate means of transportation should be used.

7.2. Conditions for safe storage, including any incompatibilities

It should be stored in tanks and containers designed in accordance with the properties of the product. Storage tanks should be labelled and warning signs should be placed and kept closed when out of use. Warning signs on the tanks should not be removed. Since there may be some product in empty tanks, warning signs should not be removed. If the hydrocarbon vapor concentration in the tank is more than 1%, and oxygen concentration is less than 20%, an oxygen mask should be worn, and it should not be entered without a mask. Light hydrocarbons collect in the upper part of the storage tanks, so ignition is possible. Therefore, static electricity must be discharged. Measures should be taken against the sources of ignition during filling and evacuation. Equipment such as pump, etc. must be grounded or the transfer containers are connected with a cable in order to prevent static electricity from accumulated.

7.3. Specific End Uses

It is specified in section 1.2.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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8.1. Control Parameters

8.2. Exposure Controls

8.2.1. Appropriate engineering controls: Ensure that the environment is well ventilated.

8.2.2. Personal Protection Measures:



Respiratory Protection: Respiratory protection equipment is not required during normal operation. In special cases (such as spillage), a mask that protects the whole face should be worn, and in cases such as fire, protectors containing compressed air should be used.

Hand Protection: Gloves must be made of PVC or neoprene, and gloves resistant to petroleum derivatives should be used.

Eye Protection: Side-protected glasses or protective visor should be used where necessary.

Special Hygiene and Safety Measures; Smoking, eating and drinking are prohibited while carrying this product. Hands must be washed before each break.

Additional Warning: Oiled clothing and shoes should be removed immediately.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: Liquid

Odour: Characteristic mineral oil

Stability: Stable under normal conditions

pH Value: 8

Steam Pressure: No data

First Boiling Point: No data.

Solubility in Water: Insoluble.

Density at 15 °C kg/lit: No data

Kinematic Viscosity at 100°C:2,08

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Flash Point:133 °C

Flammability Limit %: No data

Maximum Storage Temperature: 66 °C

10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions.

10.2 Chemical Stability

No data available.

10.3 Possibility of Hazardous Reaction

There are no known hazardous products under normal conditions.

10.4 Conditions To Avoided

Excessive heat, high energy sources that will cause it to ignite.

10.5 Incompatible Materials

Flammable agents, strong oxidizers.

10.6. Hazardous decomposition products

In cases of combustion, carbon oxides (CO, CO₂) water vapor (H₂O), sulphur dioxide (SO₂) and undefined organic and inorganic compounds occur.

11. TOXICOLOGICAL INFORMATION

Skin Corrosion/Irritation: Long-term or repeated contact may cause irritation on the skin.

Serious Eye Damage/Irritation: Contact with the eye can cause temporary blindness and eye irritation.

Respiratory or Skin Sensitization: Inhalation of fog or smoke may irritate the eyes, nose and throat. Hot product vapor irritates the upper respiratory tract.

If swallowed: May cause nausea and diarrhea.

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.

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Specific Target Organ Toxicity - Single Exposure: Based on available data, the classification criteria are not met.

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

LD50, Acute Toxicity Estimates or LC50: Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

It is not considered dangerous for the environment. It doesn't harm aquatic creatures. There is practically no toxic effect on marine life. However, this can lead to physical contamination of organisms.

12.2. Persistence and degradability

Inherently biodegradable. It has the ability to accumulate in the soil.

12.3. Bioaccumulative potential: No data available

12.4. Mobility in soil: No data available

12.5. Results of PBT and vPvB assessment: No data available.

12.6. Other adverse effects: No data available

13. DISPOSAL INFORMATION

13.1. Waste treatment methods:

Dispose of according to applicable regulations.

14. TRANSPORT INFORMATION

14.1. UN number: Not applicable.

14.2. UN proper shipping name: Not applicable.

14.3. Transport hazard class(es): There is no required transport warning sign.

14.4. Packing group: Not applicable.

14.5. Environmental hazard: Avoid release to the environment.

14.6. Special precautions: Not applicable.

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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

15. REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006, (REACH),
- Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006,
- Regulation (EC) No 1272/2008 (CLP),
- Commission Directive 2006/15/EC,
- Commission Directive 2000/39/EC.
- ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road

15.2 Chemical safety assessment

A chemical safety assessment has not been performed for this product.

16. OTHER INFORMATION

H318: Causes serious eye damage

H361: Suspected of damaging the unborn child or harming the reproduction

P280: Wear protective gloves protective gloves clothing wear eye protection face protection

P201-P202-P281: Read the instructions before using.

This Product Safety Data Sheet has been prepared within the scope of the information received from our raw material suppliers, and the information regarding health, safety and environment in it has been given by examining the reliable sources available at the time the form was prepared.

While the utmost care is taken for the accuracy of the information, no representation or warranty is made, directly or indirectly, as to the perfection and accuracy of the information and data contained in this document. The data and recommendations apply when sold for the application or applications specified in this product.

This product should not be used for any purpose other than the specified application or applications without consulting us. The health, safety precautions and environmental advice contained in this document may not be sufficient for all individuals or situations. It is the responsibility of the users to evaluate the material, to use it safely and to comply with the laws and regulations regarding the issues related to this use. Those who buy this product to give and / or give to third parties who will

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use this product are responsible for conveying the information in this form to those who will use the product. Employers are obliged to explain the risks described in this form or the measures to be taken to their workers and others who may be affected. ALKİM PETROKİMYA SAN. VE TİC. A.Ş. will not be held responsible.