



## APEX BRAKE FLUID DOT-4

### SAFETY DATA SHEET

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## 1: Identification Of The Substance/Preparation And Of The Company/Undertaking

### 1.1. Identification of the substance/preparation

Product Name: APEX BRAKE FLUID DOT-4

### 1.2. Use of the Substance/Preparation

Expressed in writing Hydraulic Brake oil for automobiles

### 1.3. Company/Undertaking Identification

Supplier Reksoil Petrokimya San. Ve Tic. A.Ş  
Address Aydınlı Mh. Birlik Organize San. Böl. Doğu Cad. No: 19-21 34953 Tuzla/İSTANBUL/ TÜRKİYE  
Telephone +90216 593 35 70  
Telefax +90216 593 35 78  
Email info@aktasgroup.com.tr

### 1.4. Emergency telephone number

Poison Information Centre (UZEM):114

## 2: Hazards Identification

### 2.1. Classification of the substance or mixture

Fire And Explosion Hazard: Product is not classified hazardous.  
Health Hazard: Product is not classified hazardous.  
Environmental Hazard: Product is not classified hazardous.

### 2.2. Label elements

Not applicable

### 2.3. Other hazards

PBT: Not applicable



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vPvB: Not applicable

### 3: Composition/Information On Ingredients

#### 3.1. Substances

Chemical name	Cas No	EC No	Concentration(%)	Classification
Polyglycol ethers	9004-77-7	500-012-0	50-100	Eye Dam. 1, H318 Eye Irrit. 2, H319
Polyethylene glycols	25322-68-3	500-038-2	50-100	-

### 4: First Aid Measures

#### 4.1. Description of first aid measures

<b>Eye contact</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately
<b>Skin contact</b>	Flush with plenty of water, seek medical aid if discomfort persist.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth with water. Consult a physician.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

#### 4.2. Most Important Symptoms And Effects, Both Acute And Delayed

Not determined.

#### 4.3. Indication Of Any Immediate Medical Attention And Special Treatment Needed

Notes to physician Not applicable.

### 5: Firefighting Measures



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#### 5.1. Extinguishing Media

**Suitable extinguishing media** Extinguish with foam, carbon dioxide or dry powder.

#### 5.2. Special Hazards Arising From The Substance Or Mixture

NOTE! Use air-supplied respirators to protect against gases/fumes. Use water SPRAY only to cool containers! Do not put water on leaked material.

#### 5.3. Advice For Firefighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6: Accidental Release Measures

#### 6.1. Personal Precautions, Protective Equipment And Emergency Procedures

Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (section 8). Follow all fire-fighting procedures (section 5).

#### 6.2. Environmental Precautions

Try to restrict the release and prevent spread of the product into the environment. Collect liquid before it spreads into drains, the ground and waters.

#### 6.3. Methods And Materials For Containment And Cleaning Up

Immediately start clean-up of the liquid and contaminated soil. Small amounts can be collected using absorbent material. Product waste should be disposed in accordance with item 13. In case of spill, immediately contact local authorities.

## 7: Handling And Storage

#### 7.1. Precautions For Safe Handling

Provide sufficient ventilation when handling the product. Wear protective equipment when needed. Wear safety shoes while handling containers.

#### 7.2. Conditions For Safe Storage, including Any Incompatibilities

Keep container tightly closed. Keep container in a cool, well-ventilated area.



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#### 7.3. Specific End Use(s)

Refer to section 1.2. or the extended SDS if applicable.

## 8: Exposure Controls/Personal Protection

#### 8.1. Threshold Limits

Not available.

#### 8.2. Exposure Controls

##### 8.2.1 Personal Protective Equipment



##### 8.2.2 Appropriate Engineering Controls

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this products contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering control to keep worker exposure below any recommended of statutory limits.

##### 8.2.3 Individual Protection Measures

<b>Eye/face protection</b>	Safety glasses with side shields. Goggles with a face shield may be necessary depending on quantity of material and conditions of use.
<b>Hand protection</b>	Nitrile rubber, PVC disposable gloves. Change protective gloves often enough.
<b>Skin and body protection</b>	Minimize any skin contact. Protective clothing when needed.
<b>Respiratory protection</b>	Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s).

## 9: Physical And Chemical Properties

#### 9.1. Information On Basic Physical And Chemical Properties



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Test	Test Unit	Values	Test Method
Physical state	-	Liquid- Clear	-
Odor threshold	-	Not available.	-
pH	-	7,4 - 9,4	ASTM D 193
Initial boiling point and boiling	-	Not available.	-
Evaporation rate	-	Not available.	-
Flammability (solid, gas)	-	Not available.	-
Upper/lower flammability or explosive limits	-	Not available.	-
Vapor pressure	-	Not available.	-
Vapor density	-	Not available.	-
Density, 15 °C	g/cm <sup>3</sup>	1.040 – 1,085	ASTM D 5002
Solubility	-	soluble in water	-
Partition coefficient (n-octanol/water)	-	Not available.	-
Decomposition temperature	-	Not available.	-
Explosive properties	-	Not available.	-
Oxidizing properties	-	Not available.	-
Boiling Point	°C	Min.250	ASTM D 1120

#### 9.2. Further information

No specific data.

## 10: Stability And Reactivity

#### 10.1. Reactivity

No specific test data related to reactivity available for this product or its ingredients.

#### 10.2. Chemical Stability

The product is stable.

#### 10.3. Possibility Of Hazardous Reactions

Not determined.



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#### 10.4 Conditions To Avoid

High temperatures, sparks, and open flames.

#### 10.5 Incompatible Materials

May react with strong oxidizing agents, such as chlorates, nitrates, peroxides etc.

#### 10.6 Hazardous decomposition products

May release CO<sub>x</sub>, NO<sub>x</sub>, SO<sub>x</sub>, SiO<sub>x</sub>, formaldehyde, alkenes, metal oxides, smoke and irritating vapours when heated to decomposition.

## 11: Toxicological Information

### 11.1. Information on toxicological effects

Acute toxicity	Harmful if swallowed
Skin irritation	No specific health warnings noted.
Serious eye damage/ eye irritation	No specific health warnings noted.
Carcinogenicity	No specific data.
Reproductive toxicity	No specific data.
Specific target organ toxicity - single exposure	No specific data.
Specific target organ toxicity - repeat exposure	No specific data.

## 12: Ecological Information

### 12.1. Toxicity

The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.

### 12.2. Persistence and degradability

This material is not expected to be readily biodegradable.

### 12.3. Bioaccumulative potential

No specific data.

### 12.4. Mobility

No specific data.

### 12.5. Results of PBT and vPvB assessment

No specific data.



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#### 12.6. Other adverse effects

No specific data.

### 13: Disposal Considerations

#### GENERAL INFORMATION

Dispose of waste and residues in accordance with local authority requirements.

#### DISPOSAL METHODS

Incinerate with provision for removal of effluent gases by scrubber.

### 14: Transport information

Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR

#### 14.1. UN No

Not applicable.

#### 14.2. Proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es):

Not applicable.

#### 14.4. Packaging group

Not applicable.

#### 14.5. Environmental hazards:

Not applicable.

#### 14.6. Special precautions for user

Not applicable.

#### 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/legislation specific for the substance or mixture

Product is classified and labeled in accordance with the procedures and principles stipulated in the EU Directive and ' Regulations on the preparation of safety data sheets on hazardous substances and mixtures (13.12.2014- 29204



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numbered Official Gazette) ", " The regulation on preparation and distribution of safety data sheets on hazardous materials and preparations (26/12/2008 to 27092 Rep.".

#### 16: Other Information

##### Revision Statement:

This Safety Data Sheet is Revision 2. Product is classified and labeled in accordance with the procedures and principles stipulated in the (13.12.2014- 29204 numbered Official Gazette) ", " The regulation on preparation and distribution of safety data sheets on hazardous materials and preparations

##### Explanations of the abbreviations

<b>ADR</b>	European Agreement concerning the International Transport of Dangerous Goods by Road
<b>IATA</b>	The International Air Transport Association
<b>IMDG</b>	International Maritime Dangerous Goods Code
<b>MARPOL 73/78</b>	International Convention for the Prevention of Pollution from Ships
<b>PBT</b>	Persistent Bioaccumulative Toxic
<b>RID</b>	Regulations concerning the International Transport of Dangerous Goods by Rail
<b>STEL</b>	Short Term Exposure Limit
<b>TWA</b>	8-hour Time Weighted Averages
<b>vPvB</b>	Very Persistent Bioaccumulative Toxic

##### Information sources

-ESIS (European chemical Substances Information System), <http://esis.jrc.ec.europa.eu/>

- REACH registered chemicals, [http://echa.europa.eu/chem\\_data\\_en.asp](http://echa.europa.eu/chem_data_en.asp)

##### Hazard statements:

H318 Causes serious eye damage

H319 Causes serious eye irritation

##### Preparer

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**Certificate No** : 01.126.09 (Certified by NBC Safety Data Sheet Preparer )





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