



# SAFETY DATA SHEET

## HIDROLİK FREN YAGI (DOT3)

Prepared according to Annex II of EC regulation 1907/2006

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<b>PRODUCT NAME</b>	HIDROLİK FREN YAGI (DOT3)
<b>SUPPLIER</b>	OMV PETROL OFİSİ A.Ş. Ayazağa Eski Büyükdere Cad. No:33-37 B Blok 34398 Maslak-Istanbul/TURKEY Tel: +90 212 329 1500 Fax: +90 212 329 1896 www.poas.com.tr info@poas.com.tr
<b>PRODUCT NO.</b>	13099
<b>APPLICATION</b>	Brake fluid
<b>EMERGENCY TELEPHONE</b>	POAŞ: +90 212 329 1845 (office hours)

### 2 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
1,2-BIS(2-METHOXYETHOXY)ETHANE	203-977-3	112-49-2	< 1%	R19 Repr. Cat. 2;R61 Repr. Cat. 3;R62
2-(2-METHOXYETHOXY)ETHANOL	203-906-6	111-77-3	< 1%	Repr. Cat. 3;R63
2,2'-OXYBISETHANOL	203-872-2	111-46-6	< 1%	Xn;R22
bis(2-METHOXYETHYL) ETHER	203-924-4	111-96-6	< 1%	R10 R19 Repr. Cat. 2;R60,R61
Polyoxyethylene monobutyl ether		9004-77-7	< 1%	Xi;R36.

The Full Text for all R-Phrases are Displayed in Section 16

### COMPOSITION COMMENTS

Some substances are not classified by legislation.They are self classified by the manufacturer. The DMSO extract by IP 346 of the oil is less than 3%

### 4 FIRST-AID MEASURES

#### INHALATION

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

#### INGESTION

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

#### SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

#### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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## 5 FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA**

This product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

**SPECIFIC HAZARDS**

Asphyxiating gases/vapours/fumes of: Carbon monoxide (CO). Nitrous gases (NOx).

**PROTECTIVE MEASURES IN FIRE**

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

## 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet.

**ENVIRONMENTAL PRECAUTIONS**

Do not discharge into drains, water courses or onto the ground.

**SPILL CLEAN UP METHODS**

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Do not contaminate water sources or sewer.

## 7 HANDLING AND STORAGE

**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact.

**STORAGE PRECAUTIONS**

Store in tightly closed original container in a dry and cool place. Keep in original container.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
2,2'-OXYBISETHANOL	WEL	23 ppm	101 mg/m3			

WEL = Workplace Exposure Limit.

**PROTECTIVE EQUIPMENT**



**ENGINEERING MEASURES**

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of vapours.

**RESPIRATORY EQUIPMENT**

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

**HAND PROTECTION**

Use suitable protective gloves if risk of skin contact.

**EYE PROTECTION**

If risk of splashing, wear safety goggles or face shield.

**OTHER PROTECTION**

Wear appropriate clothing to prevent any possibility of skin contact.

**HYGIENE MEASURES**

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	Liquid
<b>COLOUR</b>	Green
<b>ODOUR</b>	Characteristic.

# HIDROLIK FREN YAGI (DOT3)

**RELATIVE DENSITY** 1.04-1.07 g/cm<sup>3</sup> 20 **VISCOSITY** 14.5-17 mm<sup>2</sup>/s 20  
**FLASH POINT (°C)** >118 CC (Closed cup).

## 10 STABILITY AND REACTIVITY

**STABILITY**

Stable under normal temperature conditions.

**CONDITIONS TO AVOID**

Avoid excessive heat for prolonged periods of time.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## 11 TOXICOLOGICAL INFORMATION

**TOXIC DOSE 1 - LD 50** >2000 mg/kg

**INHALATION**

In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

**INGESTION**

May cause discomfort if swallowed.

**SKIN CONTACT**

Liquid may irritate skin.

**EYE CONTACT**

Spray and vapour in the eyes may cause irritation and smarting.

## 12 ECOLOGICAL INFORMATION

**ECOTOXICITY**

Not regarded as dangerous for the environment.

**LC 50, 96 Hrs, FISH mg/l** 596 (96 h)

**BIOACCUMULATION**

The product is not bioaccumulating.

## 13 DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS**

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

## 14 TRANSPORT INFORMATION

**GENERAL**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

**ROAD TRANSPORT NOTES**

Not Classified

**RAIL TRANSPORT NOTES**

Not classified.

**SEA TRANSPORT NOTES**

Not classified.

**AIR TRANSPORT NOTES**

Not classified.

## 15 REGULATORY INFORMATION

**RISK PHRASES**

NC Not classified.

**SAFETY PHRASES**

NC Not classified.

**STATUTORY INSTRUMENTS**

Chemicals (Hazard Information and Packaging) Regulations.

**APPROVED CODE OF PRACTICE**

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

**GUIDANCE NOTES**

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

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## 16 OTHER INFORMATION

### INFORMATION SOURCES

This SDS is prepared based on the information received from suppliers.

### REVISION COMMENTS

Company name changed

### ISSUED BY

Certificated from the Turkish Standards Institute (TSE) to prepare Safety Data Sheet (Certificate no: SDS - 0397)

**REVISION DATE** 17.06.2011

**DATE** 18.10.2010

### RISK PHRASES IN FULL

R10	Flammable.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R61	May cause harm to the unborn child.
R19	May form explosive peroxides.
R60	May impair fertility.
R63	Possible risk of harm to the unborn child.
R62	Possible risk of impaired fertility.

### DISCLAIMER

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