



# MATERIAL SAFETY DATA SHEET

## Hydraulic Oil

According to Globally Harmonized System (GHS)

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE / COMPANY

### Product Identifier

**Product Name:** Hydraulic Oil  
**Product Type:** Anti-Wear Hydraulic Fluid

### Recommended Use

Hydraulic systems, industrial machinery, mobile equipment, circulation systems, hydraulic presses, construction and mining machinery.

### Company Identification

**Basekim Kimyasal Ürünler LTD**  
Turan Güneş Blv. Ilkbahar Mah.  
Sinpaş Altınoran Tower 2, Floor 2, Unit 146  
Ankara, Turkey

**Telephone:** +90 (312) 514 7055 / 514 7081  
**Emergency Contact (Logistics):** 88552948  
**Health Emergency (24h):** Basekim Emergency Information Center – International collect calls accepted

## SECTION 2: HAZARD IDENTIFICATION

This product is not classified as hazardous under normal conditions of use according to GHS criteria.

### Potential Health Effects

**Eye Contact:**  
May cause temporary irritation or redness.

**Skin Contact:**  
Prolonged or repeated contact may cause skin dryness or mild irritation.

**Inhalation:**

Oil mist or vapors generated at high temperatures may irritate respiratory tract.

**Ingestion:**

May cause nausea, discomfort, or gastrointestinal irritation.

**Environmental Hazards**

Avoid uncontrolled discharge into waterways, drains, or soil.

**SECTION 3: COMPOSITION /  
INFORMATION ON INGREDIENTS**

Hydraulic Oil contains highly refined mineral base oils blended with performance additives.

Component	CAS Number	Concentration
Severely Refined Mineral Oil	64742-54-7	80-95%
Anti-Wear Additives	Proprietary	1-5%
Corrosion & Oxidation Inhibitors	Proprietary	<5%
Performance Additive Package	Proprietary	Balance

**SECTION 4: FIRST AID MEASURES****Inhalation**

Move exposed person to fresh air. Seek medical attention if symptoms persist.

**Skin Contact**

Wash affected area thoroughly with soap and water. Remove contaminated clothing.

**Eye Contact**

Flush eyes immediately with clean water for several minutes. Obtain medical attention if irritation continues.

**Ingestion**

Do not induce vomiting. Seek immediate medical advice.

**SECTION 5: FIRE FIGHTING MEASURES****Suitable Extinguishing Media**

- Dry chemical powder



- Foam
- Carbon dioxide (CO<sub>2</sub>)
- Water fog

## Unsuitable Extinguishing Media

Do not use direct water jet.

## Hazardous Combustion Products

Combustion may produce:

- Carbon monoxide
- Carbon dioxide
- Smoke and hydrocarbon fumes

## Protective Equipment

Firefighters should wear self-contained breathing apparatus and full protective equipment.

# SECTION 6: ACCIDENTAL RELEASE MEASURES

Contain spill immediately to prevent slipping hazard.

Absorb using sand, earth, or suitable absorbent material and transfer into proper disposal containers.

Prevent product from entering drains, groundwater, or surface water systems.

# SECTION 7: HANDLING AND STORAGE

Handle in well-ventilated areas.

Avoid prolonged contact with skin and eyes.

Store in tightly closed original containers away from excessive heat, sparks, and direct sunlight.

## Recommended Storage Temperature

5°C – 40°C

# SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION



## Personal Protective Equipment

Protection	Recommendation
Respiratory Protection	Normally not required
Hand Protection	Oil-resistant gloves
Eye Protection	Safety goggles or glasses
Skin Protection	Protective work clothing

## Hygiene Measures

Wash hands after handling and before eating or drinking.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Typical Value
Appearance	Clear Liquid
Color	Amber
Odor	Mild Petroleum Odor
Relative Density @15°C	0.86 – 0.89
Viscosity @40°C	According to grade
Flash Point	>220°C
Pour Point	Below -15°C
Solubility in Water	Insoluble

## SECTION 10: STABILITY AND REACTIVITY

Stable under normal storage and handling conditions.

### Conditions to Avoid

- Excessive heat
- Open flame
- Strong oxidizing agents

### Hazardous Decomposition Products

Carbon oxides, smoke, and hydrocarbon vapors may form during combustion.

## SECTION 11: TOXICOLOGICAL INFORMATION

Low acute toxicity expected under normal industrial use.

Repeated exposure may cause skin irritation or dermatitis.



Used mineral oils may contain harmful contaminants generated during service.

## SECTION 12: ECOLOGICAL INFORMATION

Product is not readily biodegradable.

Avoid release into environment.

May form surface film on water affecting oxygen transfer.

## SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of product and contaminated materials in accordance with local environmental regulations.

Do not reuse empty containers without proper cleaning.

## SECTION 14: TRANSPORT INFORMATION

This product is not classified as dangerous goods for transportation.

Regulation	Status
ADR/RID	Not Regulated
IMDG	Not Regulated
IATA	Not Regulated

## SECTION 15: REGULATORY INFORMATION

Product components are generally compliant with industrial lubricant regulations and international chemical inventory requirements.

## SECTION 16: OTHER INFORMATION

The information contained in this Safety Data Sheet is based on current knowledge and intended to describe the product for health, safety, and environmental purposes only. It should not be considered as a warranty or guarantee of product specification.