



## Technical Data Sheet (TDS) – Crude Oil

**Product Name:** Crude Oil

**Supplier:** Basekim

**Origin:** UAE / Turkey / Middle East

### Product Description

Crude oil is a natural, unrefined mixture of hydrocarbons extracted from underground reservoirs. It serves as the **primary feedstock** for refineries to produce fuels, lubricants, asphalt, and petrochemical products.

Basekim supplies a variety of crude grades to meet diverse refining needs, including **light sweet crude**, **medium sour crude**, and **heavy crude**.

### Typical Applications

- Refining into gasoline, diesel, jet fuel, and kerosene
- Production of lubricants and greases
- Feedstock for petrochemical plants
- Asphalt and bitumen manufacturing

### Technical Specifications (Typical Values)

Property	Light Crude	Medium Crude	Heavy Crude
API Gravity	35 – 45	25 – 34	<25
Density @ 15°C (kg/L)	0.82 – 0.85	0.85 – 0.90	0.90 – 0.95
Sulfur Content (% wt)	0.1 – 0.5	0.5 – 1.5	1.5 – 5.0
Viscosity @ 40°C (cSt)	20 – 40	40 – 100	100 – 400
Flash Point (°C)	<40	<40	<40
Pour Point (°C)	-30 to -10	-20 to 0	-10 to +5
Water & Sediment (%)	≤0.5	≤1.0	≤3.0
Salt Content (PTB)	≤10	≤20	≤30

PTB = Pounds of salt per thousand barrels



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## Performance Benefits

- Flexible feedstock for multiple refinery configurations
- Availability in bulk tanker shipments
- Consistent quality and testing certification (ASTM / API standards)
- Suitable for both land and sea transport

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## Packaging & Delivery

- **Bulk Tanker Trucks** – For local or regional delivery
- **Rail Tank Cars** – For land transport
- **Ocean Tanker Shipments** – For export markets

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## Storage & Handling

- Store in tanks designed for flammable liquids.
- Maintain temperature to prevent high viscosity.
- Ensure proper ventilation to control vapor buildup.
- Ground all equipment to prevent static discharge.

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## Health & Safety

- Crude oil contains hazardous components like benzene and H<sub>2</sub>S.
- Workers should wear proper PPE: gloves, goggles, respirators, and protective clothing.
- Refer to the MSDS for detailed handling and safety information.