



COMPANY

# ARMAN SHIMI SAHAND



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# About Our Company

Arman Shimi Sahan Company was established in 1404 (2025 CE) by a team of academic and industrial experts, aiming to transform years of scientific and innovative research into high-quality, competitive practical products

## Capabilities & Goals

The company's research and development team consists of two academic staff members from the Department of Chemistry at Tabriz University, specializing in nanotechnology, organic chemistry, applied chemistry, and polymer chemistry, along with one expert in organic chemistry and chemical industries, who has 15 years of experience in replicating and formulating imported chemical products.

The company's strategic direction and its academic research team focus on utilizing cutting-edge scientific findings to produce various advanced synthetic and semi-synthetic industrial lubricants and oils; formulate new types of emulsifiers and additives applicable in diverse industrial lubricants and oils; develop fuel additives; manufacture environmentally friendly, plant-based industrial oils; produce various gasoline and diesel engine oils; and develop a wide range of greases.



Water Soluble



# Cutting Oils

### QUALITY AND EXPERIENCE

Successful metalworking begins with a thorough understanding of the process and requirements. This is why all our metalworking programs begin with a complete survey of the operation by one of our technical experts. They evaluate customers processes and make recommendations to improve or enhance production and the final product quality and make sure that our customers will get maximum value from their investment in Ertegha Sanat technology. Our expert knowledge and premium support are backed by a fully staffed "coolant management" laboratory with state-of-the-art analytical equipment. Benefit from the exceptional value that our quality chemistry combined with customizable services and proven solutions provides to your business.

### Customized solutions

Our metalworking fluids have been formulated to meet the diverse demands of the manufacturing industry and its equipment. To meet the individual needs of our customer's machining processes, Arman Shimi cutting oils that cool and lubricates the work tools and parts while purging chips and other debris from the workpiece. Our product are environmentally compatible and provide a safe working environment for the machine operator.

### Industries we serve:

- Appliances
- Aerospace
- Valve Manufacturing Industries
- Industrial Machineries Production
- Automotive Components
- Agricultural, Construction & Earthmoving
- Turbo Machinery Manufacturing Industries
- General Industry



MINERAL WATER SOLUBLE OIL

# ARMAN PO3

This product is a kind of oil that is miscible with water and has mineral base and form stable emulsion in water and is formulated and designed in a way that avoids the adverse impacts and staining on the section.





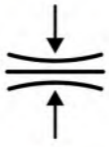


## Product Specification Table

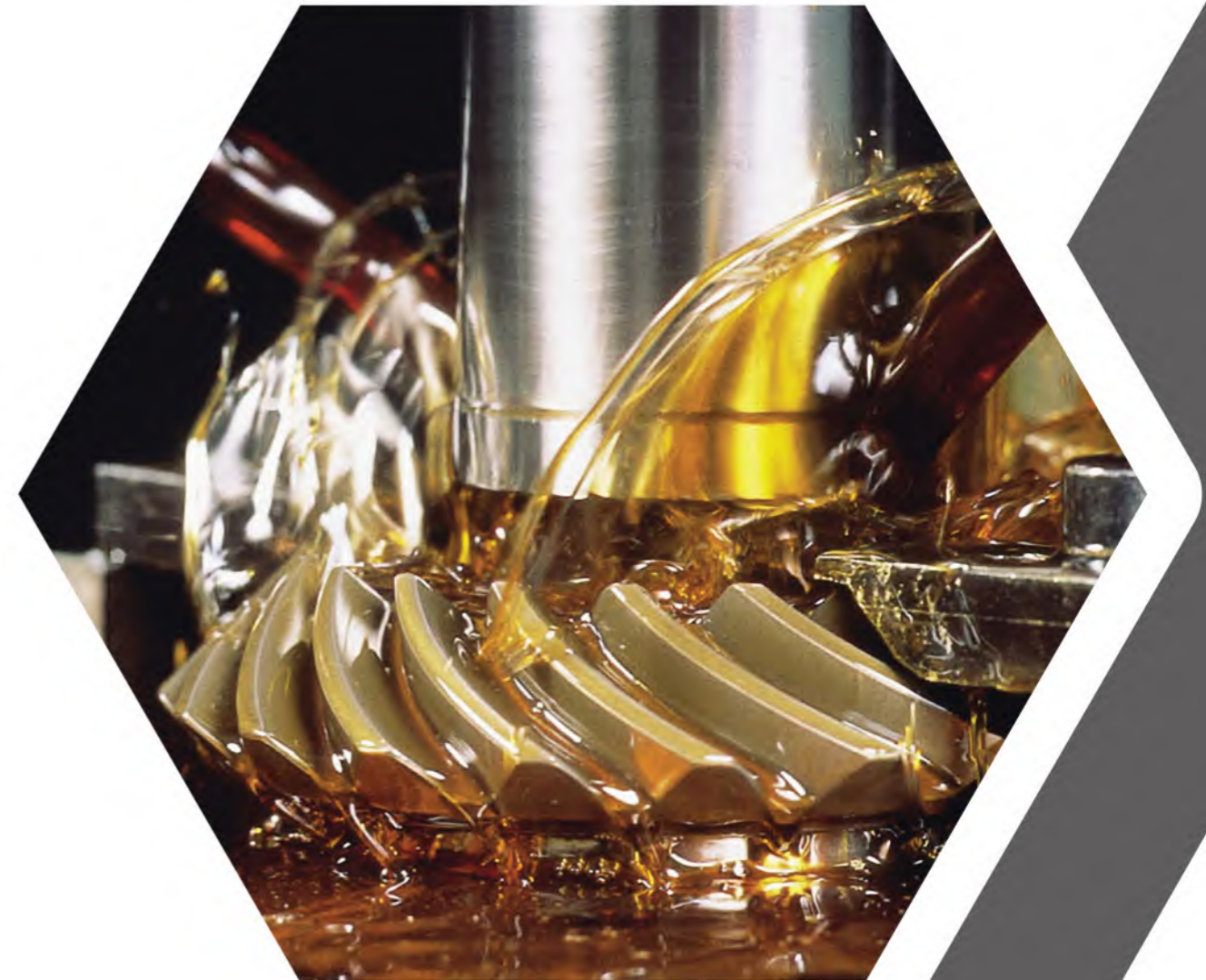
Specification	Test Method	ARMAN PO3
Visual	-	Burnt Orange
Solubility%	-	5
5% Solution pH	ASTM D-1287	8.5-9.0
Density @15°C gCm3	ASTM D-1298	0.9
Foam Test	IP-312	PASS
Emulsion Stability	IP-263	PASS

## Applications

- . Cold rolled operation
- . Lathe-cutting operations
- . Grinding, drilling and sawing operation
- . Public application in machining and metalworking

## Key Features

-  . Quick blending with water and forming stable emulsions
-  . High heat transfer and cooling capabilities
-  . Anti-pressure properties (EP)
-  . Anti-corrosion and anti-rust properties
-  . Anti-bacterial and anti-foam properties








MINERAL WATER SOLUBLE OIL

# ARMAN RM8

This water-miscible oil is specifically designed to create stable emulsions when mixed with water. It incorporates high-performance anti-pressure (EP) and excellent corrosion-resistant properties, making it ideal for metalworking and machining operations under extreme conditions. The product also offers an extended service life.



## Key Features

-  . Mixes easily with water and produces stable emulsions
-  . Excellent heat transfer and cooling performance
- . Strong anti-pressure (EP) and anti-wear (AW) characteristics
- . Effective protection against corrosion and rust 
-  . Resists bacterial growth and foam formation
- . Works well with various water hardness levels 

## Product Specification Table

Specification	Test Method	ARMAN RM8
Visual	-	Honey Like
Solubility%	-	5
5% Solution pH	ASTM D-1287	9-9.5
Density @15°C gCm3	ASTM D-1298	0.915
Foam Test	IP-312	PASS
Emulsion Stability	IP-263	PASS

## Applications

- . Cold rolling operations
- . Lathe cutting processes
- . Grinding, drilling, and sawing
- . General machining and metalworking tasks
- . All types of CNC machinery





**Contact Us;** Website: [Armanshimisahand.com](http://Armanshimisahand.com)

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## References;

