

## Material Safety Data Sheet (MSDS)

### SECTION 1 – Identification

Product Name: Sodium Petroleum Sulfonate

Synonyms: Petroleum Sulfonate Sodium Salt, Sodium Alkylbenzene Sulfonate (Oil Soluble)

CAS Number: 68608-26-4

EC Number: 271-781-5

Recommended Use: Surfactant, detergent, emulsifier, corrosion inhibitor, lubricant additive

Supplier: ATDM

Address: UAE – Turkey – Iran - Export Division

Website: [www.atdmco.com](http://www.atdmco.com)

Emergency Contact: [info@atdmco.com](mailto:info@atdmco.com)

### SECTION 2 – Hazard Identification

Classification (GHS)	Skin Irritation: Category 2; Eye Irritation: Category 2A; Aquatic Chronic: Category 3
Signal Word	Warning
Hazard Statements	H315: Causes skin irritation; H319: Causes serious eye irritation; H412: Harmful to aquatic life with long-lasting effects.
Precautionary Statements	P264, P280, P273, P302+P352, P305+P351+P338, P332+P313

### SECTION 3 – Composition / Information on Ingredients

Component	CAS No.	Concentration (% w/w)
Sodium Petroleum Sulfonate	68608-26-4	40–60%
Petroleum Oil Carrier	64742-65-0	Balance
Additives and Stabilizers	Proprietary	<5%

### SECTION 4 – First Aid Measures

Inhalation: Move exposed person to fresh air. If symptoms persist, seek medical attention.

Skin Contact: Wash affected area with soap and water. Remove contaminated clothing.

Eye Contact: Rinse immediately with clean water for at least 15 minutes.

Ingestion: Do not induce vomiting. Rinse mouth and seek medical advice.

Symptoms: May cause mild irritation to skin and eyes. Prolonged exposure can lead to dryness or dermatitis.

## **SECTION 5 – Fire Fighting Measures**

Flash Point: >150°C (Closed Cup)

Suitable Extinguishing Media: Foam, dry chemical, CO<sub>2</sub>, or water fog.

Unsuitable Media: Avoid direct water jet.

Hazardous Decomposition: Carbon oxides, sulfur oxides.

Protective Equipment: Firefighters should wear protective gear and SCBA.

## **SECTION 6 – Accidental Release Measures**

Personal Precautions: Wear gloves, goggles, and protective clothing.

Environmental Precautions: Prevent entry into drains or waterways.

Cleanup Methods: Absorb with sand or earth. Collect in labeled containers. Wash area after cleanup.

## **SECTION 7 – Handling and Storage**

Handling: Use in ventilated areas. Avoid skin and eye contact.

Storage: Store in cool, dry, ventilated areas away from sunlight.

Temperature Range: 5–40°C

Incompatible Materials: Strong oxidizers and acids.

## **SECTION 8 – Exposure Controls / Personal Protection**

Engineering Controls: Use ventilation where mist may form.

PPE: Goggles, gloves, and respirator if needed.

Hygiene: Wash hands before eating or drinking.

## **SECTION 9 – Physical and Chemical Properties**

Property	Typical Value
Appearance	Brown viscous liquid
Odor	Mild petroleum
pH	7 – 9
Density @ 25°C	0.95 – 1.05 g/cm <sup>3</sup>
Flash Point	>150°C
Solubility	Soluble in oil, insoluble in water
Stability	Stable under normal conditions

## **SECTION 10 – Stability and Reactivity**

Stable under normal conditions. Avoid strong oxidizers. Decomposes to CO, CO<sub>2</sub>, and SO<sub>x</sub> when heated.



### **SECTION 11 – Toxicological Information**

Acute Toxicity: Oral LD50 (rat) >2000 mg/kg. Dermal LD50 (rabbit) >2000 mg/kg.

Effects: Mild skin/eye irritation. Chronic exposure may cause dryness or dermatitis.

### **SECTION 12 – Ecological Information**

Harmful to aquatic life with long-lasting effects. Moderately biodegradable. Avoid contamination of waterways.

### **SECTION 13 – Disposal Considerations**

Dispose of contents and containers in accordance with local regulations. Do not discharge into drains or soil.

### **SECTION 14 – Transport Information**

UN Number	Not regulated
Proper Shipping Name	Non-Hazardous Chemical

### **SECTION 15 – Regulatory Information**

Complies with REACH, OSHA, and GHS standards. Classified as Skin Irritation (Cat. 2), Eye Irritation (Cat. 2A), Aquatic Chronic (Cat. 3).

### **SECTION 16 – Other Information**

Revision Date: October 2025

Prepared by: ATDM – Technical Department

Disclaimer: Information is believed accurate but provided without warranty. User must determine suitability and follow regulations.