



# Material Safety Data Sheet

## SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

### ALFASYNTH PAO 32

**Product Use:** Diesel Engine Oil  
**Product Number(s):**

#### Company Identification

AEGEAN MARINE PETROLEUM  
AKTI KONDYLI 10  
18545 PIRAEUS  
GREECE  
Tel : +30 2104586000  
Fax : +30 2104586245  
Emergency Phone Number : 112

## SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
SYNTHETIC BASE OILS	68649-11-6	0-93 %weight
ADITTIVES	CBI	<10 %weight

## SECTION 3 HAZARDS IDENTIFICATION

Main Hazards Not classified as hazardous.

Health Effects Due to low oral and skin toxicity the product is not hazardous under normal conditions. Nevertheless continuous and repeated skin contact may cause dermatitis as most mineral oils, lubricants. Used lubricants may contain hazardous foreign substances. In case of dissipation (fog) of the lubricant restrictive measures should be taken.

Environmental Hazards Not classified as hazardous.

#### **SECTION 4 FIRST AID MEASURES**

Inhalation In case if dizziness move to fresh air. If symptoms continue, ask for medical help.

Skin Contact Wash with soap and plenty of water. In case of appearance & persistence of skin rash, seek medical advice. In case of injury from injection of oil with high pressure under the skin seek medical advice immediately.

Eyes Contact Wipe the product that is on and around the eye with clean bandages. Flush immediately with large amounts of water for at least 15 minutes keeping the eyes open until the rash goes away. If rash persists seek medical attention.

Ingestion Do not induce vomiting, keep calm and warm and seek medical assistance.

#### **SECTION 5 FIRE FIGHTING MEASURES**

Extinguishing Media Use foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media Do not use water jet.

Special Hazards of Product This product may give rise to hazardous fumes such as carbon monoxide (CO) in a fire.

Protective Equipment for Fire-Fighting Self contained breathing masks, special gloves, eye masks, etc. Also

go to paragraph 4 for first aid.

#### **SECTION 6 ACCIDENTAL RELEASE MEASURES**

Personal Precautions See section 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Ground Spillages Contain spilled liquid with sand or earth or with a suitable absorbent.

Recover by pumping with suitable pump.

Dispose according to legislation.

Water Spillages Contain the spillage with floating barriers and other suitable absorbents. Also if is accepted by the local authorities, suitable

dissolvents may be used.

## **SECTION 7 HANDLING AND STORAGE**

**Handling** During handling, appropriate measures should be taken to avoid possible leakage by use of appropriate protective equipment.

**Storage** The product should be stored in a cool, dry, well-ventilated place away from heating points and strong oxidizing factors. The container should be sealed in a dry place.

**Packaging** Suggested pale material is high density poly-ethylene (HDPE). Also avoid using PVC for containers.

## **SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Inhalation Protection** Make sure that working areas are well ventilated. For air dissipation of lubricants (TWA - 8 hour working day) 5m<sup>3</sup> according to ACGIH. When the concentration in air cannot be controlled and there is possibility of exceeding the limit of professional exposure, breathing masks with molecular pro-filter and filter for organic fumes must be used.

**Hand Protection** PVC gloves should be worn. Hygiene measures should be taken such as hand wash before eating or smoking.

**Eye Protection** Protective eye-masks should be worn if there is possibility of contact with the eyes.

**Body Protection** Avoid continues contact with skin. Wear boiler suits in order to minimize skin contact. When the concentration in air cannot be

## **SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Attention: the data below are typical values and do not constitute a specification.

**Color:** Pale yellow

**Physical State:** Liquid

**Odor:** Mild hydrocarbon smell

**Vapor Pressure:** <0.01 mmHg @ 100 °C (212 °F)

**Vapor Density (Air = 1):** >1

**Flash Point:** 238 °C

**Pour Point:** -52

**Density:** 0.870 kg/l @ 15°C (59°F)

**Viscosity:** 32 mm<sup>2</sup>/s @ 40°C

IP 346 DMSO Extract, % < 3

Solubility in Water N/A

Note: The above properties do not constitute a specification.

## **SECTION 10 STABILITY AND REACTIVITY**

Stability (Thermal, light) Stable under normal conditions of use.

Conditions to Avoid Store away from heat sources, bare flame, other flammable areas and direct sunlight.

Materials to Avoid Avoid strong oxidising agents such as chlorine and high concentrations of oxygen.

Hazardous decomposition

Products

Combustion will generate: smoke, possibly thick and choking, resulting in zero visibility.

## **SECTION 11 TOXICOLOGICAL INFORMATION**

Acute Toxicity Low order of acute toxicity.

Chronicle Toxicity Reduction of skin fat that may result in dermatitis can be cause from excessive exposure to mineral oils. Irritation of skin and eyes is possible with contact of used oils which contain foreign dangerous substances.

## **SECTION 12 ECOLOGICAL INFORMATION**

**Mobility** In the case of environmental release the product will be absorbed into soil and sediment. In the case of water release it will remain and expand on the surface.

**Degradability** The product is expected to be resistant to biodegradation.

**Bio-accumulation**

Product is not expected to bio-accumulate.

## **SECTION 13 DISPOSAL CONSIDERATIONS**

**Product / Container Disposal**

The used product and containers should be disposed of according to national or local legislation and according to the regulations of the European Union to accredited contractors.

## **SECTION 14 TRANSPORT INFORMATION**

**UN CLASS** Not Classified as Hazardous.

**ADR/RID CLASS** Not Classified as Hazardous.

**IMO CLASS** Not Classified as Hazardous.

**IATA CLASS** Not Classified as Hazardous

## **SECTION 15 REGULATORY INFORMATION**

**Labelling Information** No statutory requirements on labelling

**Symbols** None

**R-Phrases** None

**S-Phrases** None (Philippines), TSCA (United States).

One or more components does not comply with the following chemical inventory requirements: AICS (Australia).

## **SECTION 16 OTHER INFORMATION**

Date of Issue Issue Nr. Review Nr.

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The information included in the present MSDS is collected from data observed in real tests, comparisons with similar products and from data obtained by suppliers.

The information relates only to the particular product designated and may not be valid if the product

is used in combination with other materials or another manufacturing process.