

Material Safety Data Sheet

Material Name: Service Pro AW Hydraulic Oil – AW 46

*** Section 1 - Chemical Product and Company Identification ***

Product Name: Service Pro AW Hydraulic Oil – All Grades

Synonyms: AW 46

Product Use: Hydraulic oil

Manufactured for:

AIOD

P.O. Box 1861

Montrose, CO 81402

Phone: 1 800 313-2463

Emergency # (800) 424-9300 CHEMTREC

General Comments

CHEMTREC Emergency telephone number is to be used in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals. All non-emergency questions should be directed to customer service.

*** Section 2 - Composition / Information on Ingredients ***

CAS #	Component	Percent
64742-58-1	Hydrotreated paraffinic base oil	<95%
64742-26-50	Severely refined mineral oil	<95%
Mixture	Proprietary additives	<5.0%

Component Information/Information on Non-Hazardous Components

The maximum percentage of the petroleum distillate and/or residual oil blend contained in this product is: 100%

All mineral oils used in this product have been severely hydrotreated and/or solvent refined. This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).

*** Section 3 - Hazards Identification ***

Emergency Overview

Product is a non-flammable petroleum distillate mixture. Liquid and vapor may be irritating to the eyes, skin and respiratory system. Irritating and toxic vapors may be released upon combustion of product. Extinguish fire with carbon dioxide, dry chemical, foam or water fog.

Hazard Statements

This product may be irritating to the eyes, skin, and respiratory system. Pulmonary aspiration hazard if swallowed.

Potential Health Effects: Eyes

This product may cause irritation to the eyes.

Potential Health Effects: Skin

This product may cause irritation to the skin. Prolonged and/or repeated skin contact with this product may cause irritation / dermatitis.

Potential Health Effects: Ingestion

Ingestion of this product may cause nausea, vomiting and diarrhea. Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury, possibly death.

Potential Health Effects: Inhalation

Low vapor pressure makes inhalation unlikely at standard temperatures and pressures. Inhalation of oil mists or fumes can cause irritation of the nose, throat and upper respiratory tract. Repeated and prolonged overexposure to oil mists may result in droplet deposition, oil granuloma formation, inflammation and increased incidence of infection.

HMIS Ratings: Health: 1 Fire: 1 Reactivity: 0 Pers. Prot.: Safety glasses, gloves

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Flush eyes with large amounts of water for 15 minutes. Get medical attention if eye irritation develops or persists.

First Aid: Skin

For skin contact, wash immediately with soap and water. Remove contaminated clothing. Get medical attention if skin disorder develops. Launder contaminated clothing before reuse.

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First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

First Aid: Inhalation

If affected, remove individual to fresh air. If the affected person is not breathing, apply artificial respiration. Get medical attention if symptoms persist.

First Aid: Notes to Physician

Pulmonary aspiration hazard if swallowed; treat symptomatically.

*** Section 5 - Fire Fighting Measures ***

Flash Point: >350 F (>176.7 C)

Upper Flammable Limit (UFL): Not available

Auto Ignition: >800 F (>426.7 C)

Rate of Burning: Not available

General Fire Hazards

Product is a non-flammable petroleum distillate mixture. Liquid can burn upon heating to temperatures at or above the flash point. If product is heated above its flash point it will release flammable vapors which can burn in the open or be explosive in confined spaces if exposed to ignition source. Mists or sprays may be flammable below its normal flash point.

Hazardous Combustion Products

Hazardous combustion product include fumes, smoke, hydrogen sulfide, alkyl mercaptans, sulfides, oxides of sulfur, oxides of phosphorus, oxides of zinc, oxides of calcium, aldehydes, carbon monoxide, carbon dioxide and other low molecular weight hydrocarbons.

Extinguishing Media

Use dry chemical, foam or carbon dioxide. Water stream may spread fire. Use water to cool fire-exposed containers and to protect personnel. Direct water spray or foam may cause frothing and spattering. If a leak or spill has not ignited, use water spray to disperse vapors and to flush spills away from exposure.

Fire Fighting Equipment/Instructions

Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0 Other:

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Stop the flow of material, if this is without risk.

Clean-Up Procedures

Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps. Scoop up used absorbent into drums or other appropriate container.

Evacuation Procedures

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Special Procedures

Eliminate all ignition sources including flares, flames and electrical sparks. Wear appropriate protective equipment and clothing during clean-up. Surfaces may become slippery after spillage. Do not allow the spilled product to enter public drainage systems or open water courses.

*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid prolonged or repeated breathing of this material. Avoid prolonged or repeated skin contact with this material. Use this product with adequate ventilation. Avoid the generation of oil mists. Wash thoroughly after handling.

Storage Procedures

Do not store this material in open or unlabeled containers. Do not store near heat, sparks, open flame or strong oxidizing agents. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode.

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*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines

A: General Product Information

If oil mists are generated, observe the OSHA exposure limit of 5 mg/m³; short term exposure limit of 10 mg/m³.

B: Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Engineering Controls

Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces. Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses with side shields. Wear chemical goggles or faceshield if splash or mist occurs.

Personal Protective Equipment: Skin

Use impervious gloves for prolonged contact. Wear oil-impervious garments if contact is unavoidable.

Personal Protective Equipment: Respiratory

If mist is generated (heating, spraying) and engineering controls are not sufficient, wear approved organic vapor respirator suitable for oil mist.

Personal Protective Equipment: General

Use good hygiene when handling petroleum product. Eye wash fountains are recommended.

*** Section 9 - Physical & Chemical Properties ***

Appearance:	Light yellow-amber	Odor:	Petroleum
Physical State:	Liquid	pH:	Not available
Vapor Pressure:	Not available	Vapor Density:	Heavier than air
Boiling Point:	Not available	Melting Point:	Not applicable
Solubility (H₂O):	Negligible	Specific Gravity:	<1
Freezing Point:	Not applicable	Viscosity:	Not available
Percent Volatile:	Nil	Pour Point:	Not available

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Stable

Chemical Stability: Conditions to Avoid

Avoid formation of mists.

Incompatibility

Strong oxidizing agents (peroxides, chlorine, strong acids).

Hazardous Decomposition

Decomposition products may include hydrogen sulfide, alkyl mercaptans, sulfides, oxides of sulfur, oxides of phosphorus, oxides of zinc, oxides of calcium, aldehydes, carbon monoxide, carbon dioxide and other low molecular weight hydrocarbons.

Hazardous Polymerization

Hazardous polymerization will not occur.

*** Section 11 - Toxicological Information ***

Acute Toxicity

A: General Product Information

No data available on the product as a whole. Based on similar materials, this product is expected to have a low order of acute oral and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

B: Component Analysis - LD50/LC50

No LD50/LC50's are available for this product's components.

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Carcinogenicity

A: General Product Information

No data available on the product as a whole.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Epidemiology

No data available for product.

Neurotoxicity

No data available on this product as a whole.

Mutagenicity

No data available on this product as a whole.

Teratogenicity

No data available for this product as a whole.

Other Toxicological Information

The product contains a blend of petroleum distillates and/or residual oils, all of which have been solvent refined or severely hydrotreated. The petroleum distillate and/or residual oil blend consists of one or more of the components identified by CAS Number in Section 2. Since these components vary with availability of materials their percentage is noted as "blend".

*** Section 12 - Ecological Information ***

Ecotoxicity

No information is available on ecotoxicity of this product.

Environmental Fate

No information is available. Keep product out of sewers and waterways.

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

Product as shipped does not meet the definition or characteristics of a hazardous waste.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Material should be recycled if possible.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Not regulated as a hazardous material

Hazard Class: Not classified

UN/NA #: Not classified

Packing Group: Not classified

Required Label(s): None

Additional Info.: None

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International Transportation Regulations

Not regulated as dangerous goods.

*** Section 15 - Regulatory Information ***

TSCA: This material is in compliance with the Toxic Substances control Act (15 USC 2601-2629) and is listed in the TSCA Inventory.

Hazard Categories for SARA 311/312 Reporting:

Health	Im	mediate (Acute)	No
Health	Del	ayed (Chronic)	No
Physical		Fire	No
Physical		Sudden Release of Pressure	No
Physical	Reactive	No	
Physical	Nu	isance Mist/Dust Only	No

01=SARA 313	11=NJRTK	21=TSCA Sect 5(a)(2)	02=MASS RTK
12=CERCLA 3024	22=TSCA Sect 6	03=NTP Carcinogen	
13=MN RTK	23=TSCA Sect 12 (b)		

04=CA Prop 65-Carcin	14=ACGIM TWA	24=TSCA Sect 8(a)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	25=TSCA Sect 8(d)
06=IARC Group 1	16=ACGIH Calc TLV	26=TSCA Sect 4(a)
07=IARC Group 2A	17=OSHA PEL	27=Canadian WHMIS
08=IARC Group 2B	18=DOT Marine Pollutant	28=OSHA CEILING
09=SARA 302/304	20=EPA Carcinogen	
10=PA RTK		

The following components of this material are found on the regulatory lists indicated.

DISTILLATES, HYDROTREATED LIGHT PARAFFINIC is found on lists: 14, 15, 17

NEW JERSEY RTK CLASSIFICATION: Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL

*** Section 16 - Other Information ***

Other Information

This information is, to the best of AIOD's knowledge and belief, accurate and reliable. However, no representation, warranty, or guarantee is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

Key/Legend

N = No; Y = Yes; ppm - parts per million; mg/m³ = milligrams per cubic meter of air; ACGIH = American Conference of Governmental Industrial Hygienists; OSHA = Occupational Safety and Health Administration; TLV = Threshold Limit Value; NIOSH = National Institute of Occupational Safety and Health; NTP = National Toxicology Program; IARC = International Agency for Research on Cancer; EPA = Environmental Protection Agency.

MSDS History

Preparation Information: New MSDS 06/25/1998.

Contact:

Contact Phone: