

Safety Data Sheet

In Compliance with Regulation (EC) No. 1272/2008 as amended by
Commission Regulation (EU) 2015/830.

Revision date: 1-2-19

Date of issue: Dec. 27, 2018

Product name: AW Hydraulic Oil ISO 46
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SECTION 1: Identification of Substance/Product and of the Company/Undertaking

1.1 Product identifier

Trade Name:	AW Hydraulic Oil ISO 46
Other names:	Standard Hydraulic Oil
Reach Registration #:	Not Applicable - Mixture
EC Number:	Not Applicable - Mixture
Index Number:	Not Applicable - Mixture
Product Code Number:	9616, 9636, 9637, 9638.
SDS number:	CGF001-EU

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses:	Standard Hydraulic Oil.
Uses advised against:	None known.

1.3 Details of the supplier of the safety data sheet

Supplied By:	
Company Name:	SPXFlow
Company Address:	5885 11th Street Rockford, IL 61109
Company Telephone:	Office hours (Mon – Fri) 8.00am – 5:00pm (CST) (815) 874-5556
Company Contact Name:	EH&S Department.
E-mail address of person Responsible for this SDS:	Info@powerteam.com

1.4 Emergency telephone number

Emergency telephone number (including hours of operation):	INFOTRAC 24 Hour Emergency Numbers: USA, Canada, Puerto Rico (800) 535-5053. International (352) 323-3500.
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SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification in accordance to Regulation (EC) No. 1272/2008 (CLP/GHS).

This product is not hazardous according to the criteria for classification criteria for classification in accordance with Regulation (EC) No 1272/2008.

2.2 Label elements

Labelling in accordance with Regulation 1272/2008 (CLP).

Hazard pictograms: None

Signal word: None

Hazard statements: Not Applicable

Precautionary Statements:

Storage Statements: Not Applicable

Disposal Statements: Not Applicable

Supplemental Hazard Statements: None known

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substance

Not applicable.

3.2 Mixture

Highly refined mineral oils and non-hazardous additives. Contains less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346.

Product/ Ingredient name	Identifiers	Wt. %	Harmonized Classification Annex VI of (EC) No 1272/2008 CLP	Notes
Distillates (petroleum), solvent- dewaxed heavy paraffinic	CAS No: 64742-65-0 EC No:265-169-7 Index No: 649-474-00-6	50 - 100	Carcinogen – Category 1B:H350	L*
Note L: The Classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346 “Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method”, Institute of Petroleum, London.				

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in section 8. See section 16 for the full text of the H and EUH phrases declared above.

SECTION 4: First-aid Measures

4.1 Description of first aid measures

If inhaled: Move to fresh air. Treat symptomatically. See Section 8 for additional measures to reduce or eliminate exposure. If symptoms persist, seek medical attention.

In case of skin contact: Wash area of contact thoroughly with soap and water. If symptoms persist, seek medical attention.

In case of eye contact: If eyes become irritated, flush immediately with copious amounts of lukewarm water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if irritation persists.

If swallowed: DO NOT induce vomiting. Consult a physician if necessary.

4.2 Most important symptoms and effects, both acute and delayed

Not expected to be a health hazard when used under normal conditions. An aspiration hazard may be appropriate if the oil is vaporized under pressure.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water spray, Carbon dioxide, Dry chemical, Alcohol foam

Unsuitable extinguishing media: Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products may include carbon monoxide and other toxic gases/vapors.

Hazardous combustion products: Toxic/Irritating fumes, gases and vapours including carbon oxides and other products of incomplete combustion

5.3 Advice for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Fight fire from a protected location. Water may be ineffective in fighting the fire. Use water spray to keep fire-exposed container cool.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Stop leak if able to do so without risk. Keep unnecessary and unprotected personnel from entering. Eliminated ignition sources. Avoid breathing mist/vapor/aerosol/gas/fume. Do not walk through spilled material. Avoid contact with eyes, skin and clothing. Wear recommended personal protective equipment (refer to Section 8 Exposure controls/ personal protection).

For emergency responders

Keep unauthorized people away and upwind. Wear appropriate personal protective equipment (refer to Section 8 Exposure controls/ personal protection) and avoid inhalation or contact with eyes and skin. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains waterways or sewer systems. Avoid release to the environment.

6.3 Methods and materials for containment and cleaning up

Absorb in vermiculite, dry sand or earth. Sweep up and place in a clearly labeled container for chemical waste.

6.4 Reference to other sections

See Section 8 for personal protective equipment.

See Section 8 for information on personal protection equipment.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Avoid breathing mist or vapors. Avoid contact with eyes. Use only with adequate ventilation. Wash thoroughly after handling. Observe good personal hygiene practices. Change protective gloves/clothing when signs of contamination appear. Keep out of reach of children.

7.2 Conditions for safe storage, including any incompatibilities

Store in original factory container in a dry area. Do not transfer to an unmarked container. Keep container tightly closed and in a well-ventilated place. Store away from heat and light. Refer to Section 10 – Stability and Reactivity for incompatibilities.

7.3 Specific end use(s):

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

Ingredient name	Occupational exposure limits	Source
Oil Mist, Mineral	TWA: 5 mg/m ³ (8 hr.)	USA: OSHA PEL
	TWA: 5 mg/m ³ (8 hr.)	USA: ACGIH TLV
	TWA: 5 mg/m ³ (8 hr.)	USA: NIOSH REL
	STEL: 10 mg/m ³ (15 min.)	USA: NIOSH REL
	TWA: 5 mg/m ³ (8 hr.)	Austria: MAK
	TWA: 1 mg/m ³ (8 hr.)	Denmark: Limit Values
	STEL: 2 mg/m ³ (15 min.)	Denmark: Limit Values
TWA: 5 mg/m ³ (8 hr.)	Netherlands: MAC OELs	

Monitoring procedures: Use methods described in European Standards.

8.2 Exposure controls

Appropriate Engineering Measures

Maintain air concentrations below occupational exposure standards using engineering controls if necessary. Local exhaust ventilation is recommended. Eye wash station and showers required for emergency use.

Individual protection measures, such as personal protective equipment:

Eye and face protection: Wear safety glasses or full-face shield if splashes are likely to occur. If possible, have eye-washing facilities readily available where eye irritation can occur. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).

Skin protection:

Hand protection: Where hand contact with the product may occur the use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.

Other skin protection: Use as necessary to prevent exposure. Work clothing should be changed daily. Contaminated clothing should be removed and washed thoroughly before re-using.

Respiratory protection: No respiratory protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Use respirators and components tested and approved under appropriate government standards such as CEN (EU).

Thermal hazards: None known

Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	Liquid
Form:	Liquid
Color:	Blue
Odor:	Mild
Odor threshold:	Not available
pH:	Not available
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	>380 °F
Evaporation rate:	Not available
Flammability (solid, gas):	Not available

Upper/lower flammability or explosive limits

Flammability limit – lower (%):	Not available
Flammability limit – upper (%):	Not available
Explosive limit – lower (%):	Not available
Explosive limit – upper (%):	Not available
Vapor pressure:	Not available
Vapor density:	Not available
Relative density:	0.87 -0.89
Solubility(ies):	Insoluble
Partition coefficient (n-octanol/water):	Not available.
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	46 cSt @40 degrees C
Explosive properties:	Not available
Oxidizing properties:	Not available

9.2 Other information:

No further data available

SECTION 10: Stability and Reactivity

10.1 Reactivity

No hazardous reactions anticipated under normal storage and handling conditions.

10.2 Chemical stability

Stable under normal storage and handling conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions anticipated under normal storage and handling conditions.

10.4 Conditions to avoid

Incompatible materials, Extreme heat, Open Flame, Sparks

10.5 Incompatible materials

Oxidizing Agents

10.6 Hazardous decomposition Products

Not anticipated under normal conditions of use.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Routes of Exposure: Oral, Dermal, Inhalation, Eye Contact

Numerical measures of toxicity

Acute Toxicity Data:

Substance	Test Type (species)	Value
Distillates (petroleum), solvent- dewaxed heavy paraffinic	LD ₅₀ Oral (Rat)	>5000 mg/kg
	LD ₅₀ Dermal (Rabbit)	>5000 mg/kg
	LC ₅₀ Inhalation (Rat)	>5 mg/l (4h)

- Acute Toxicity:** Does not meet the criteria for classification as Acutely Toxic by inhalation, ingestion or skin contact.
- Skin corrosion/irritation:** Does not meet the criteria for classification.
- Serious eye damage/eye irritation:** Does not meet the criteria for classification.
- Respiratory sensitization:** Does not meet the criteria for classification.
- Skin sensitization:** Does not meet the criteria for classification.
- Germ cell mutagenicity:** Does not meet the criteria for classification.
- Carcinogenicity:** Does not meet the criteria for classification.
- Reproductive toxicity:** Does not meet the criteria for classification.
- STOT - Single exposure:** Does not meet the criteria for classification.
- STOT - Repeat exposure:** Does not meet the criteria for classification.
- Aspiration hazard:** Does not meet the criteria for classification.

SECTION 12: Ecological information

12.1 Toxicity

Ingredient Information:

Ingredient	Test Type	Species	Value
Distillates (petroleum), solvent- dewaxed heavy paraffinic	LL/EL/IL50 NOEC/NOEL	Fish	Practically nontoxic: LL/EL/IL50 > 100 mg/l NOEC/NOEL > 100 mg/l (based on test data)
	LL/EL/IL50 NOEC/NOEL	Invertebrate	Practically nontoxic: LL/EL/IL50 > 100 mg/l NOEC/NOEL expected to be > 1.0 - <= 10 mg/l (based on test data)
	LL/EL/IL50	Algae	Practically nontoxic: LL/EL/IL50 > 100 mg/l

12.2 Persistence and Degradability:

Major constituents are expected to be readily biodegradable, but the product contains components that may persist in the environment.

12.3 Bioaccumulative potential:

Contains components with the potential to bioaccumulate.

12.4 Mobility in soil:

If it enters soil, it will adsorb to soil particles and will not be mobile.

12.5 Results of PBT and vPvB assessment:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects:

None Known

12.7 Additional information:

None known

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Dispose of in accordance with all applicable local, state, national and international regulations. Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods. Do not dispose into the environment, in drains or in water courses.

Contaminated packaging

Contaminated packaging may contain traces of the product and therefore should be disposed of in the same way as product.

SECTION 14: Transport Information

International transport regulations

14.1 UN number

ADR/RID: Not Applicable

IMDG: Not Applicable

IATA: Not Applicable

14.2 Proper shipping name

ADR/RID: Not Regulated for Transport.

IMDG: Not Regulated for Transport.

IATA: Not Regulated for Transport.

14.3 Transport hazard class(es)

ADR/RID: Not Applicable

IMDG: Not Applicable

IATA: Not Applicable

14.4 Packing group

ADR/RID: III

IMDG: III

IATA: III

14.5 Environmental hazard

Marine Pollutant: No

14.6 Special precautions for user

No additional information.

14.7 Transport to bulk according to Annex II of MARPOL and the IBC Code

No additional information.

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of:

EU Commission Regulation (EU) 2015/830 (Reach)

EU Regulation (EC) No 1272/2008 (CLP)

EINECS: All components in this product are listed on the European Inventory of Existing Chemical Substance

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other Information

Full text of H Codes referred to in section 3.

H350 May cause cancer.

Training advice: Before using/handling the product one must read carefully present SDS.

Abbreviations and acronyms:

ACGIH:	American Conference of Governmental Industrial Hygienists
ADR:	Accord européen sur le transport des marchandises dangereuses par Route European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
CLP:	Classification, Labelling and Packaging
OSHA:	Occupational Safety and Health Administration
EINECS:	European Inventory of Existing Commercial Chemical Substances
EC50:	Half maximal effective concentration
EU:	European Union
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals
IATA:	International Air Transport Association
IBC CODE:	Intermediate Bulk Container
IMDG:	International Maritime Code for Dangerous Goods
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
NIOSH:	National Institute for Occupational Safety & Health
OEL:	Occupational Exposure Limits
PEL:	Permissible Exposure Limits
REACH:	Registration, Evaluation and Authorization of Chemicals
REL:	Recommended Exposure Limits
RID:	Gefahrgutvorschriften für den Transport mit der Eisenbahn
STEL:	Short Term Exposure Limits
TLV:	Threshold Limit Value
TWA:	Time Weighted Average
STEL:	Short Term Exposure Limits
UN:	United Nations

Document history

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