



## Foodmax AW PAO 32 - Foodgrade hydraulic oil

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### SECTION 1: IDENTIFICATION OF THE HAZARDOUS CHEMICAL AND OF THE SUPPLIER

- 1.1 Product identifier:** Foodmax AW PAO 32 - Foodgrade hydraulic oil  
**Other means of identification:**  
Not applicable
- 1.2 Recommended use of the chemical and restrictions on use:**  
Relevant uses: Lubricant  
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Supplier details (including name, address, phone number, etc.):**  
Matrix Specialty Lubricants  
Typograaf 16  
6921 VB Duiven - The Netherlands  
Phone: +31316740850  
lab@matrix-lubricants.com  
<https://www.matrix-lubricants.com>
- 1.4 Emergency phone number:**

### SECTION 2: HAZARD IDENTIFICATION

- 2.1 Classification of the hazardous chemical:**  
**P.U. (A) 310/2013:**  
The product is not classified as hazardous chemical according to the Industry Code of Practice on Chemical Classification and Hazard Communication (ICOP).
- 2.2 Label elements:**  
**P.U. (A) 310/2013:**  
**Hazard statements:**  
Not applicable  
**Precautionary statements:**  
P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P501: Dispose of contents and / or their container according to the separated collection system used in your municipality.
- 2.3 Other hazards which do not result in classification:**  
Not applicable

### SECTION 3: COMPOSITION AND INFORMATION OF THE INGREDIENTS OF THE HAZARDOUS CHEMICAL

- 3.1 Substances:**  
Not applicable
- 3.2 Mixtures:**  
**Chemical description:** Oil/s  
**Components:**  
None of the substances contained in the mixture are above the values fixed in the Fifth Schedule of the P.U. (A) 310/2013

### SECTION 4: FIRST-AID MEASURES

- 4.1 Description of necessary first-aid measures:**  
Consult a doctor in case of discomfort with this Safety data Sheet.  
**By inhalation:**  
In case of symptoms, move the person affected into fresh air.  
**By skin contact:**

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#### SECTION 4: FIRST-AID MEASURES (continued)

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety Data Sheet

**By eye contact:**

Rinse with water until the product has been eliminated. In case of problems, consult a doctor with the SDS of this product.

**By ingestion/aspiration:**

In case of consumption in large quantities, it is recommended to seek medical assistance.

**4.2 Most important symptoms/effects, acute and delayed:**

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Indication of immediate medical attention and special treatment needed, if necessary:**

Not applicable

#### SECTION 5: FIRE-FIGHTING MEASURES

**5.1 Suitable extinguishing media:**

**Suitable extinguishing media:**

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO<sub>2</sub>).

**Unsuitable extinguishing media:**

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

**5.2 Physicochemical hazards arising from the chemical:**

Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, manipulation and use.

**5.3 Special protective equipment and precautions for fire fighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

**Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment, and emergency procedures:**

**For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task.

**For emergency responders:**

See section 8.

**6.2 Environmental precautions:**

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

**6.3 Methods and materials for containment and cleaning up:**

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

**6.4 Reference to other sections:**

See sections 8 and 13.

#### SECTION 7: HANDLING AND STORAGE

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**SECTION 7: HANDLING AND STORAGE (continued)**

**7.1 Precautions for safe handling:**

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and destroy using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2

**7.2 Conditions for safe storage, including any incompatibilities:**

A.- Technical measures for storage

Maximum time: 36 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

**7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

**SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the workplace:

There are no applicable occupational exposure limits for the substances contained in the product

**8.2 Appropriate engineering controls:**

A.- Individual protection measures, such as PPE


As a preventative measure it is recommended to use basic Personal Protection Equipment. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection


The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Hand protection	Protective gloves against minor risks	Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using chemical protection gloves

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

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**SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION (continued)**

E.- Bodily protection

Pictogram	PPE	Remarks
	Work clothing	Replace before any evidence of deterioration.
	Anti-slip work shoes	Replace before any evidence of deterioration.

F.- Additional emergency measures

It is not necessary to take additional emergency measures.

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

**Appearance:**

Physical state at 20 °C:	Liquid
Appearance:	Oily
Color:	Yellowish
Odor:	Characteristic
Odour threshold:	Not applicable *

**Volatility:**

Boiling point at atmospheric pressure:	Not applicable *
Vapour pressure at 20 °C:	Not applicable *
Vapour pressure at 50 °C:	<300000 Pa (300 kPa)
Evaporation rate at 20 °C:	Not applicable *

**Product description:**

Density at 20 °C:	Not applicable *
Relative density at 20 °C:	0.831
Dynamic viscosity at 20 °C:	Not applicable *
Kinematic viscosity at 20 °C:	Not applicable *
Kinematic viscosity at 40 °C:	31.7 mm <sup>2</sup> /s
Kinematic viscosity at 100 °C:	5.9 mm <sup>2</sup> /s
Concentration:	Not applicable *
pH:	Not applicable *
Vapour density at 20 °C:	Not applicable *
Partition coefficient n-octanol/water 20 °C:	Not applicable *
Solubility in water at 20 °C:	Not applicable *
Solubility properties:	Insoluble in water
Decomposition temperature:	Not applicable *

\*Not relevant due to the nature of the product, not providing information property of its hazards.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**

Melting point/freezing point: Not applicable \*

**Flammability:**

Flash Point: 242 °C

Flammability (solid, gas): Not applicable \*

Autoignition temperature: Not applicable \*

Lower flammability limit: Not applicable \*

Upper flammability limit: Not applicable \*

**Particle characteristics:**

Median equivalent diameter: Not applicable

**9.2 Other information:**

**Information with regard to physical hazard classes:**

Explosive properties: Not applicable \*

Oxidising properties: Not applicable \*

Corrosive to metals: Not applicable \*

Heat of combustion: Not applicable \*

Aerosols-total percentage (by mass) of flammable components: Not applicable \*

**Other safety characteristics:**

Surface tension at 20 °C: Not applicable \*

Refraction index: Not applicable \*

\*Not relevant due to the nature of the product, not providing information property of its hazards.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

**10.2 Chemical stability:**

Chemically stable under the indicated conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**10.5 Incompatible materials:**

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

**10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects:**

LD50 oral > 5000 mg/kg (rat)

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**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met.
- Contact with the eyes: Based on available data, the classification criteria are not met.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met.  
IARC: Not applicable
- Mutagenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Based on available data, the classification criteria are not met.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met.
- Skin: Based on available data, the classification criteria are not met.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met.

**Other information:**

Not applicable

**Specific toxicology information on the substances:**

Not available

**Acute Toxicity Estimate (ATE mix):**

	ATE mix	Ingredient(s) of unknown toxicity
Oral	>5000 mg/kg (Calculation method)	Not applicable
Dermal	>5000 mg/kg (Calculation method)	Not applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Not applicable

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## SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

**12.1 Ecotoxicity:**

Not available

**12.2 Persistence and degradability:**

Not available

**12.3 Bioaccumulative potential:**

Not available

**12.4 Mobility in soil:**

Not available

**12.5 Results of PBT and vPvB assessment:**

Not applicable

**12.6 Other adverse effects:**

Not described

## SECTION 13: DISPOSAL INFORMATION

**13.1 Disposal methods:**

**Waste management (disposal and evaluation):**

Consult the authorized waste service manager on the assessment and disposal operations. In case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See epigraph 6.2.

**Regulations related to waste management:**

Malaysia legislation related to waste management:

ACT 127 - ENVIRONMENTAL QUALITY ACT 1974

ACT A1102 - ENVIRONMENTAL QUALITY (AMENDMENT) ACT 2001

## SECTION 14: TRANSPORT INFORMATION

**Transport of dangerous goods by land:**

With regard to MS 1513:

**14.1 UN number:** Not applicable

**14.2 UN proper shipping name:** Not applicable

**14.3 Transport hazard class(es):** Not applicable

Labels: Not applicable

**14.4 Packing group, if applicable:** Not applicable

**14.5 Environmental hazard:** No

**14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection either within or outside their premises**

Physico-Chemical properties: see section 9

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable

**Transport of dangerous goods by sea:**

With regard to IMDG 39-18:

### SECTION 14: TRANSPORT INFORMATION (continued)

- |   |                |
|---|----------------|
| <b>14.1 UN number:</b>  | Not applicable |
| <b>14.2 UN proper shipping name:</b>  | Not applicable |
| <b>14.3 Transport hazard class(es):</b>   | Not applicable |
| Labels:   | Not applicable |
| <b>14.4 Packing group, if applicable:</b>   | Not applicable |
| <b>14.5 Marine pollutant:</b>   | No             |
| <b>14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection either within or outside their premises</b> |                |
| Special regulations:  | Not applicable |
| EmS Codes:  |                |
| Physico-Chemical properties:  | see section 9  |
| Limited quantities:   | Not applicable |
| Segregation group:  | Not applicable |
| <b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</b>   | Not applicable |

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2022:

- |   |                |
|---|----------------|
| <b>14.1 UN number:</b>  | Not applicable |
| <b>14.2 UN proper shipping name:</b>  | Not applicable |
| <b>14.3 Transport hazard class(es):</b>   | Not applicable |
| Labels:   | Not applicable |
| <b>14.4 Packing group, if applicable:</b>   | Not applicable |
| <b>14.5 Environmental hazard:</b>   | No             |
| <b>14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection either within or outside their premises</b> |                |
| Physico-Chemical properties:  | see section 9  |
| <b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</b>   | Not applicable |

### SECTION 15: REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations specific for the product in question:**

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

**Other legislation:**

Occupational safety and health (classification, labelling and safety data sheet of hazardous chemicals) regulations 2013  
Occupational safety and health (notification of accident, dangerous occurrence, occupational poisoning and occupational disease) regulations 2004  
Occupational safety and health (use and standards of exposure of chemicals hazardous to health) regulations 2000  
Occupational safety and health (safety and health officer) regulations 1997  
Occupational safety and health (safety and health committee) regulations 1996  
Occupational safety and health (control of industrial major accident hazards) regulations 1996

### SECTION 16: OTHER INFORMATION

**Legislation related to safety data sheets:**

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**SECTION 16: OTHER INFORMATION (continued)**

This safety data sheet has been designed in accordance with Part 3 of the INDUSTRY CODE OF PRACTICE ON CHEMICALS CLASSIFICATION AND HAZARDS COMMUNICATION 2014

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**P.U. (A) 310/2013:**

Not applicable

**Advice related to training:**

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

Department of Occupational Safety and Health, Ministry of Human Resources of Malaysia: <http://www.dosh.gov.my/>

**Abbreviations and acronyms:**

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5-day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

CL50: Lethal Concentration 50

EC50: Effective concentration 50

Log-POW: Octanol-water partition coefficient

Koc: Partition coefficient of organic carbon

IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at Malaysian level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

END OF SAFETY DATA SHEET