

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-

specific legislation

# Foodmax AW PAO 46 - Foodgrade hydraulic oil

ting	: 19/05/2022 Date of compilation: 03/08/2015 Revised: 10/03/2022 Version: 3 (Replaced 2)					
SEC	TION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING					
.1	Product identifier: Foodmax AW PAO 46 - Foodgrade hydraulic oil					
	Other means of identification:					
	Non-applicable					
.2	Relevant identified uses of the substance or mixture and uses advised against:					
	Relevant uses: Lubricant					
	Uses advised against: All uses not specified in this section or in section 7.3					
1.3	Details of the supplier of the safety data sheet:					
	Matrix Specialty Lubricants					
	Typograaf 16					
	6921 VB Duiven - The Netherlands Phone: +31316740850					
	lab@matrix-lubricants.com					
	https://www.matrix-lubricants.com					
1.4	Emergency telephone number: 0300 311 22 33 Only for professional emergency responders					
SEC	TION 2: HAZARDS IDENTIFICATION **					
2.1	Classification of the substance or mixture:					
	CLP Regulation (EC) No 1272/2008:					
	The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.					
2.2	Label elements:					
	CLP Regulation (EC) No 1272/2008:					
	Hazard statements:					
	Non-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 the contents/containers in accordance with the current legislation on waste treatment					

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

Endocrine-disrupting properties: The product fails to meet the criteria.

\*\* Changes with regards to the previous version

# SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Oil/s

Components:

None of the substances contained in the mixture are above the limits specified in Annex II of Regulation (EC) No 1907/2006

# SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

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SECTION 4:	FIRST AID MEASURES (continued)					
Consult	a doctor in case of discomfort showing the SI	DS for the product.				
By inhal	ation:					
In case	of symptoms, move the person affected into f	resh air.				
By skin	contact:					
	of contact it is recommended to clean the affeinging, redness, rashes, blisters,), seek med	• •	ater and neutral soap. In case of changes to the Data Sheet			
By eye	By eye contact:					
Rinse w	th water until the product has been eliminated	d. In case of problems, cons	ult a doctor showing the SDS for the product.			
By inges	tion/aspiration:					
In case	of consumption in large quantities, it is recom	mended to seek medical as	sistance.			
4.2 Most im	portant symptoms and effects, both acute and	delayed:				
Acute a	d delayed effects are indicated in sections 2	and 11.				
4.3 Indicatio	n of any immediate medical attention and spe	ecial treatment needed:				
Non-app	licable					

# SECTION 5: FIREFIGHTING MEASURES

#### 5.1 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.

#### Special hazards arising from the substance or mixture:

Due to its inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

#### 5.3 Advice for firefighters:

5.2

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

#### Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, 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 ground water.

#### 6.3 Methods and material for containment and cleaning up:

It is recommended:



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SEC	TION 6: ACCIDENTAL RELEASE MEASURES (continued)						
6.4	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. <b>Reference to other sections:</b> See sections 8 and 13.						
SEC	TION 7: HANDLING AND STORAGE						
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.						
SEC	TION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION						
8.1	Control parameters:						
011	Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):						
	There are no applicable occupational exposure limits for the substances contained in the product						
	DNEL (Workers):						
	Non-applicable						
	DNEL (General population):						
	Non-applicable						
	PNEC:						
	Non-applicable						
8.2	Exposure controls:						
	A Individual protection measures, such as personal protective equipment						
	As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding < <ce marking="">&gt; in accordance with Regulation (EU) 2016/425. For more information on Personal Protective 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.</ce>						



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С	- Specific protectio Pictogram Mandatory hand protection As the product is	tion equipment will be ne n for the hands PPE Protective gloves against minor risks a mixture of several subs d has therefore to be check	Labelling CAT I	st forms or if the occupat	Remarks         Replace gloves in case of any sign of damage. F         prolonged periods of exposure to the product for         professional users/industrials, we recommend us         CE III gloves in line with standards EN 420:200
	- Specific protectio Pictogram Mandatory hand protection As the product is total reliability and - Eye and face pro	n for the hands PPE Protective gloves against minor risks a mixture of several subs d has therefore to be cheet	Labelling CAT I	-	Remarks Replace gloves in case of any sign of damage. F prolonged periods of exposure to the product for professional users/industrials, we recommend us
	Pictogram Mandatory hand protection As the product is total reliability and Eye and face pro	PPE Protective gloves against minor risks a mixture of several subs d has therefore to be chec	CAT I	CEN Standard	Replace gloves in case of any sign of damage. F prolonged periods of exposure to the product fo professional users/industrials, we recommend us
D	Mandatory hand protection As the product is total reliability and Eye and face pro	Protective gloves against minor risks a mixture of several subs d has therefore to be chee	CAT I	CEN Standard	Replace gloves in case of any sign of damage. F prolonged periods of exposure to the product fo professional users/industrials, we recommend us
D	protection As the product is total reliability and - Eye and face pro	minor risks a mixture of several subs d has therefore to be chec			prolonged periods of exposure to the product for professional users/industrials, we recommend us
D	total reliability and - Eye and face pro	d has therefore to be chee			A1:2010 and EN ISO 374-1:2016+A1:2018
D	Eye and face pro			-	erial can not be calculated in advance with
D		tection	cked prior to the	e application.	
	Pictogram				
		PPE	Labelling	CEN Standard	Remarks
	Mandatory face protection	Panoramic glasses against splash/projections.		EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according the manufacturer's instructions. Use if there is risk of splashing.
E	- Body protection				
	Pictogram	PPE	Labelling	CEN Standard	Remarks
		Work clothing	CATI		Replace before any evidence of deterioration. F periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulatio in EN ISO 6529:2013, EN ISO 6530:2005, EN IS 13688:2013, EN 464:1994.
		Anti-slip work shoes		EN ISO 20347:2012	Replace before any evidence of deterioration. F periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulation in EN ISO 20345:2012 y EN 13832-1:2007
F.	- Additional emerge	ency measures			
	It is not necessar	y to take additional emerg	gency measures	S.	
In sբ V	oillage of both the p olatile organic com	ne community legislation f roduct and its container. I pounds:	For additional ir	nformation see subsectio	recommended to avoid environmental n 7.1.D
N	/ith regard to Direct	ive 2010/75/EU, this prod	uct has the follo	owing characteristics:	
	V.O.C. (Supply):		veight		
	V.O.C. density at	20 °C: 0 kg/r	m³ (0 g/L)		
	Average carbon r	number: Non-a	applicable		
	Average molecula	ar weight: Non-a	applicable		
ECTIC	ON 9: PHYSICAL	AND CHEMICAL PF	ROPERTIES		
		physical and chemical pro			
		tion see the product data	sheet.		
A	ppearance:				
Ρ	hysical state at 20 °	C:	Liqui	id	



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SEC	TION 9: PHY	SICAL AND CHEMICAL PROPE	RTIES (continued)	
	Appearance:		Oily	
	Colour:		Yellowish	
	Odour:		Characteristic	
	Odour thresho	ld:	Non-applicable *	
	Volatility:			
	Boiling point at	atmospheric pressure:	Non-applicable *	
	Vapour pressu	re at 20 °C:	Non-applicable *	
	Vapour pressu	re at 50 °C:	<300000 Pa (300 kPa)	
	Evaporation ra	te at 20 °C:	Non-applicable *	
	Product descri	ption:		
	Density at 20 °	C:	Non-applicable *	
	Relative densi	y at 20 °C:	0,831	
	Dynamic visco	sity at 20 °C:	Non-applicable *	
	Kinematic visc	osity at 20 °C:	Non-applicable *	
	Kinematic visc	osity at 40 °C:	47,9 mm²/s	
	Kinematic visc	osity at 100 °C:	7,9 mm²/s	
	Concentration:		Non-applicable *	
	pH:		Non-applicable *	
	Vapour density	∕ at 20 °C:	Non-applicable *	
		cient n-octanol/water 20 °C:	Non-applicable *	
	Solubility in wa	iter at 20 °C:	Non-applicable *	
	Solubility prop		Insoluble in water	
	Decomposition		Non-applicable *	
	Melting point/fi		Non-applicable *	
	Flammability:			
	Flash Point:		265 °C	
	Flammability (	solid, gas):	Non-applicable *	
	Autoignition te		Non-applicable *	
	Lower flamma		Non-applicable *	
	Upper flammal	•	Non-applicable *	
	Particle charac			
	Median equiva	lent diameter:	Non-applicable	
9.2	Other informat			
		h regard to physical hazard classes:		
	Explosive prop		Non-applicable *	
	Oxidising prop		Non-applicable *	
	Corrosive to m		Non-applicable *	
	Heat of combu		Non-applicable *	
		percentage (by mass) of flammable	Non-applicable *	
	Other safety cl	naracteristics:		
	Surface tensio		Non-applicable *	
	Refraction inde	ex:	Non-applicable *	
	*Not relevant due	to the nature of the product, not providing inform		

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# 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 hazard classes as defined in Regulation (EC) No 1272/2008:

LD50 oral > 2000 mg/kg (rat)

#### Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, 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: Non-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

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ninung. 19/03/2022	Date of compliation. 03/08/2015	Revised. 10/03/2022	Version: 5 (Replaced 2)					
SECTION 11: TO	XICOLOGICAL INFORMATION (	continued)						
G- Specific	G- Specific target organ toxicity (STOT)-repeated exposure:							
- Skin: I	<ul> <li>Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met</li> <li>Skin: Based on available data, the classification criteria are not met</li> <li>H- Aspiration hazard:</li> </ul>							
Based or	available data, the classification criteria	are not met						
Other inform	ition:							
Non-applicable								
Specific toxic	Specific toxicology information on the substances:							
Not available	Not available							
Acute Toxici	Acute Toxicity Estimate (ATE mix):							
	ATE mix		Ingredient(s) of unknown toxicity					
Oral	>2000 mg/kg (Calcu	lation method)	Non-applicable					
Dermal	>2000 mg/kg (Calcu	lation method)	Non-applicable					
Inhalation	>20 mg/L (4 h) (Calc	culation method)	Non-applicable					
11.2 Information	Information on other hazards:							
Endocrine di	srupting properties							
Endocrine-di	srupting properties: The product fails to n	neet the criteria.						
Other inform	ation							

Non-applicable

## SECTION 12: ECOLOGICAL INFORMATION

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

#### 12.1 Toxicity:

Not available

## 12.2 Persistence and degradability:

Not available

## 12.3 Bioaccumulative potential:

Not available



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SEC	TION 12: ECOLO	GICAL INFORMATION (conti	inued)	
12.4	Mobility in soil:			
	Not available			
12.5	Results of PBT and	vPvB assessment:		
	Product fails to mee	et PBT/vPvB criteria		
12.6	Endocrine disrupting	g properties:		
	Endocrine-disrupting	g properties: The product fails to m	neet the criteria.	
12.7	Other adverse effect	xts:		
	Not described			

## SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	Non dangerous

#### Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

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

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and 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 paragraph 6.2.

#### Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

## SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land: With regard to ADR 2021 and RID 2021:

14.1	UN number or ID number:	Non-applicable
14.2	UN proper shipping name:	Non-applicable
14.3	Transport hazard class(es):	Non-applicable
	Labels:	Non-applicable
14.4	Packing group:	Non-applicable
14.5	Environmental hazards:	No
14.6	Special precautions for user	
	Special regulations:	Non-applicable
	Tunnel restriction code:	Non-applicable
	Physico-Chemical properties:	see section 9
	Limited quantities:	Non-applicable
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable
Transport	t of dangerous goods by sea:	
With rega	ard to IMDG 39-18:	

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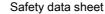
specific legislation

# Foodmax AW PAO 46 - Foodgrade hydraulic oil

CHON 14:	TRANSPORT INFORMATIC	IN (continued)		
14.1	UN number or ID number:	Non-applicable		
14.2	UN proper shipping name:	Non-applicable		
14.3	Transport hazard class(es):	Non-applicable		
	Labels:	Non-applicable		
14.4	Packing group:	Non-applicable		
14.5	Marine pollutant:	No		
14.6	Special precautions for user			
	Special regulations:	Non-applicable		
	EmS Codes:			
	Physico-Chemical properties:	see section 9		
	Limited quantities:	Non-applicable		
	Segregation group:	Non-applicable		
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable		
Transpor	t of dangerous goods by air:			
With reg	ard to IATA/ICAO 2022:			
14.1	UN number or ID number:	Non-applicable		
14.2	UN proper shipping name:	Non-applicable		
14.3	Transport hazard class(es):	Non-applicable		
	Labels:	Non-applicable		
14.4	Packing group:	Non-applicable		
14.5	Environmental hazards:	No		
14.6	Special precautions for user			
	Physico-Chemical properties:	see section 9		
14.7	Maritime transport in bulk according to IMO instruments:	Non-applicable		

Safety, health and environmental regulations/legislation specific for the substance or mixture: 15.1 Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable Article 95, REGULATION (EU) No 528/2012: Non-applicable REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable Seveso III: Non-applicable Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....): Non-applicable Specific provisions in terms of protecting people or the environment: It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product. Other legislation: The product could be affected by sectorial legislation 15.2 Chemical safety assessment:

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# Specialty lubricants

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## SECTION 15: REGULATORY INFORMATION (continued)

The supplier has not carried out evaluation of chemical safety.

# **SECTION 16: OTHER INFORMATION**

#### Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

#### Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

COMMISSION REGULATION (EU) 2020/878

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

· Precautionary statements

#### 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

CLP Regulation (EC) No 1272/2008:

Non-applicable

Classification procedure:

Non-applicable

#### Advice related to training:

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

Principal bibliographical sources:

http://echa.europa.eu http://eur-lex.europa.eu

#### Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

- BCF: Bioconcentration factor
- LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

LogPOW: Octanolwater partition coefficient

Koc: Partition coefficient of organic carbon

UFI: unique formula identifier

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 European and state 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 -