

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

legislation

# MINERAL OIL M32X - Vacuum pump oil

Printing:	: 30/06/2022 Date of compilation: 29/06/2022 Version: 1				
SECT	SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING				
1.1	Product identifier: MINERAL OIL M32X - Vacuum pump oil				
	Other means of identification:				
	Non-applicable				
1.2	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:				
	Tepro S.A. ul. Przemysłowa 5 75-216 Koszalin - Poland serketariat@tepro.com.pl				
1.4	Emergency telephone number: +48 94 343 24 81				

# SECTION 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.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substance:

Non-applicable

#### 3.2 Mixture:

Chemical description: Mixture based on hydrocarbons and additives

#### 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:

Consult a doctor in case of discomfort showing the SDS for the product.

#### By inhalation:

In case of symptoms, move the person affected into fresh air.

#### By skin contact:

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



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<ul> <li>Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the By ingestion/aspiration:</li> <li>In case of consumption in large quantities, it is recommended to seek medical assistance.</li> <li>4.2 Most important symptoms and effects, both acute and delayed:</li> <li>Acute and delayed effects are indicated in sections 2 and 11.</li> <li>4.3 Indication of any immediate medical attention and special treatment needed:</li> <li>Non-applicable</li> </ul>	on: in large quantities, it is recommended to seek medical assistance. toms and effects, both acute and delayed: ts are indicated in sections 2 and 11.		By eye contact:			
<ul> <li>In case of consumption in large quantities, it is recommended to seek medical assistance.</li> <li>4.2 Most important symptoms and effects, both acute and delayed: Acute and delayed effects are indicated in sections 2 and 11.</li> <li>4.3 Indication of any immediate medical attention and special treatment needed:</li> </ul>	in large quantities, it is recommended to seek medical assistance. toms and effects, both acute and delayed: ts are indicated in sections 2 and 11. nediate medical attention and special treatment needed:		Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product.			
<ul> <li>4.2 Most important symptoms and effects, both acute and delayed: Acute and delayed effects are indicated in sections 2 and 11.</li> <li>4.3 Indication of any immediate medical attention and special treatment needed:</li> </ul>	toms and effects, both acute and delayed: ts are indicated in sections 2 and 11. nediate medical attention and special treatment needed:		By ingestion/aspiration:			
<ul><li>Acute and delayed effects are indicated in sections 2 and 11.</li><li>4.3 Indication of any immediate medical attention and special treatment needed:</li></ul>	ts are indicated in sections 2 and 11. nediate medical attention and special treatment needed:		In case of consumption in large quantities, it is recommended to seek medical assistance.			
4.3 Indication of any immediate medical attention and special treatment needed:	nediate medical attention and special treatment needed:	4.2	4.2 Most important symptoms and effects, both acute and delayed:			
			Acute and delayed effects are indicated in sections 2 and 11.			
Non-applicable		4.3	Indication of any immediate medical attention and special treatment needed:			
			Non-applicable			

#### 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 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:

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:

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.

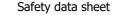
# 6.4 Reference to other sections:

See sections 8 and 13.

### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling:

A.- General precautions for safe use



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SEC	TION 7: HANDLING AND STORAGE (continued)
	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
	Store in a cool, dry, well-ventilated location
	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.
050	
SEC	TION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1	Control parameters:
	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>> 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.

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	Labelling	CEN Standard	Remarks
Mandatory hand protection	Protective gloves against minor risks	CATI		Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420:2004+ A1:2010 and EN ISO 374-1:2016+A1:2018

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

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TION	8: EXPOSURE	CONTROLS/PERSOI	ALTROILCI.		
	Pictogram	PPE	Labelling	CEN Standard	Remarks
	Mandatory face	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 risk of splashing.
E	Body protection	1			
	Pictogram	PPE	Labelling	CEN Standard	Remarks
		Work clothing	CATI		Replace before any evidence of deterioration. periods of prolonged exposure to the product professional/industrial users CE III is recommended, in accordance with the regulati in EN ISO 6529:2013, EN ISO 6530:2005, EN 13688:2013, EN 464:1994.
		Anti-slip work shoes		EN ISO 20347:2012	Replace before any evidence of deterioration. periods of prolonged exposure to the product professional/industrial users CE III is recommended, in accordance with the regulati in EN ISO 20345:2012 y EN 13832-1:2007
F	Additional emerg	ency measures	•		
	It is not necessa	ry to take additional eme	ergency measure	es.	
Env	vironmental ex	posure controls:			
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SECT	TION 9: PHYSICAL AND CHEMICAL PROPERTIE	ES (continued)
	Dynamic viscosity at 20 °C:	Non-applicable *
	Kinematic viscosity at 20 °C:	Non-applicable *
	Kinematic viscosity at 40 °C:	32 mm²/s
	Concentration:	Non-applicable *
	pH:	Non-applicable *
	Vapour density at 20 °C:	Non-applicable *
	Partition coefficient n-octanol/water 20 °C:	Non-applicable *
	Solubility in water at 20 °C:	Non-applicable *
	Solubility properties:	Non-applicable *
	Decomposition temperature:	Non-applicable *
	Melting point/freezing point:	Non-applicable *
	Flammability:	
	Flash Point:	210 °C
	Flammability (solid, gas):	Non-applicable *
	Autoignition temperature:	240 °C
	Lower flammability limit:	Non-applicable *
	Upper flammability limit:	Non-applicable *
	Particle characteristics:	
	Median equivalent diameter:	Non-applicable
9.2	Other information:	
	Information with regard to physical hazard cla	sses:
	Explosive properties:	Non-applicable *
	Oxidising properties:	Non-applicable *
	Corrosive to metals:	Non-applicable *
	Heat of combustion:	Non-applicable *
	Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
	Other safety characteristics:	
	Surface tension at 20 °C:	Non-applicable *
	Refraction index:	Non-applicable *
	*Not relevant due to the nature of the product, not providing inf	ormation property of its haza

# 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.

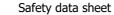
#### 10.3 Possibility of hazardous reactions:

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



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CT.	TION 10: STABILITY AND REACTIVITY (continued)					
	Avoid strong acids Not applicable Not applicable Avoid alkalis or strong					
6	Hazardous decomposition products:					
	See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition cond complex mixtures of chemical substances can be released: carbon dioxide (CO <sub>2</sub> ), carbon monoxide and other organic comp					
CT.	TION 11: TOXICOLOGICAL INFORMATION					
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 adverse effects on health may result, depending on the means of exposure: A- Ingestion (acute effect):					
	<ul> <li>Acute toxicity : Based on available data, the classification criteria are not met</li> <li>Corrosivity/Irritability: Based on available data, the classification criteria are not met</li> <li>B- Inhalation (acute effect):</li> </ul>					
	<ul> <li>Acute toxicity : Based on available data, the classification criteria are not met</li> <li>Corrosivity/Irritability: Based on available data, the classification criteria are not met</li> <li>Contact with the skin and the eyes (acute effect):</li> </ul>					
	<ul> <li>Contact with the skin: Based on available data, the classification criteria are not met</li> <li>Contact with the eyes: Based on available data, the classification criteria are not met</li> <li>D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):</li> </ul>					
	<ul> <li>Carcinogenicity: Based on available data, the classification criteria are not met IARC: Non-applicable</li> <li>Mutagenicity: Based on available data, the classification criteria are not met</li> <li>Reproductive toxicity: Based on available data, the classification criteria are not met</li> <li>Sensitizing effects:</li> </ul>					
	<ul> <li>Respiratory: 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>F- Specific target organ toxicity (STOT) - single exposure:</li> </ul>					
	Based on available data, the classification criteria are not met					
	G- Specific target organ toxicity (STOT)-repeated exposure:					
	<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 on available data, the classification criteria are not met					
	Other information:					
	Non-applicable					
	Specific toxicology information on the substances:					
	Not available					
	Acute Toxicity Estimate (ATE mix):					
	ATE mix Ingredient(s) of unknown toxicity					
	Oral >2000 mg/kg (Calculation method) Non-applicable					
	Dermal         >2000 mg/kg (Calculation method)         Non-applicable					
	Inhalation         >20 mg/L (4 h) (Calculation method)         Non-applicable					

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SECT	TON 11: TOXICOLOGICAL INFORMATION (continued)
	Endocrine-disrupting properties: The product fails to meet the criteria.
	Other information
	Non-applicable
SECT	TON 12: ECOLOGICAL INFORMATION
The ev	xperimental information related to the eco-toxicological properties of the product itself is not available
	Toxicity:
12.1	Not available
177	Persistence and degradability:
12:2	Not available
12.3	Bioaccumulative potential:
	Not available
12.4	Mobility in soil:
	Not available
12.5	Results of PBT and vPvB assessment:
	Product fails to meet PBT/vPvB criteria
12.6	Endocrine disrupting properties:
	Endocrine-disrupting properties: The product fails to meet the criteria.
12.7	Other adverse effects:
	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

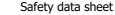
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

### SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

### SECTION 15: REGULATORY INFORMATION

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



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

legislation



# MINERAL OIL M32X - Vacuum pump oil

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SECTION 15: REGULATORY INFORMATION (continued)	
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 deplet	te the ozone layer: Non-applicable
Article 95, REGULATION (EU) No 528/2012: Non-applicable	
REGULATION (EU) No 649/2012, in relation to the import an	d export of hazardous chemical products: Non-applicable
Seveso III:	
Non-applicable	
	in dangerous substances and mixtures (Annex XVII REACH,
<b>etc):</b> Non-applicable	
Specific provisions in terms of protecting people or the	ie environment:
	fety data sheet as a basis for conducting workplace-specific risk ion measures for the handling, use, storage and disposal of this
The product could be affected by sectorial legislation	
15.2 Chemical safety assessment:	

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.:** Non-applicable

#### 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:

Safety data sheet

TEPRO

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# MINERAL OIL M32X - Vacuum pump oil

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SECTION 16: OTH	ER INFORMATION (continued)	
IMDG: Internati IATA: Internati ICAO: Internati COD: Chemical BOD5: 5day bio BCF: Bioconcer LD50: Lethal D LC50: Lethal C EC50: Effective LogPOW: Octal Koc: Partition c UFI: unique for	ose 50 oncentration 50 concentration 50 nolwater partition coefficient oefficient of organic carbon	arriage of dangerous goods by road

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.