SAFETY DATA SHEET

LAVATEX 22

(This SDS complies with EU Regulation 878/2020)

SECTION 1 MIXTURE AND COMPANY IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product name: LAVATEX 22
Product description: Highly Refined White Mineral Oil
Synonyms : n.a.
CAS Number : n.a. EC
Number : n.d INDEX
Number : n.d REACh
Registration Number :n.d
Chemical Formula : n.d
Molecular Weight : n.d
UFI : n.d

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE AND RECOMMENDED USES

Intended use: Textile industry as a component of spinning, knitting, sewing and knitting machine oils**.**

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Supplier:
COLUMBIA SOCIETÀ ITALIANA LUBRIFICANTI E AFFINI s.r.l.
Via Burba, 8
16163 GENOA (IT)
Tel. 010 710033

1.3 COMPETENT TECHNICIAN RESPONSIBLE FOR SAFETY DATA SHEET

sicurezza@columbiamotoroil.com

1.4 TELEPHONE FOR EMERGENCIES

010 710033

SECTION 2 HAZARD IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

The mixture is not classified as hazardous according to Regulation (EC) No.1272/2008 (CLP/GHS) as amended. The product does not present a hazard to man or the environment.

2.2 LABEL ELEMENTS

Symbols: None
Hazard statements: None
Precautionary statements: None
Special provisions: None

2.3 OTHER HAZARDS

Highly Refined Base Oils (Viscosity >20.5 mm2/s at 40°C) State of the substance: liquid
This mixture does not contain components considered to be both persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at concentrations of 0.1% or higher. The mixture does not contain a substance(s) included in the list established in accordance with Article 59(1) of REACH as possessing endocrine disrupting properties, or is not identified as

having endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.
The product is combustible, but is not classified as flammable.

SECTION 3 COMPOSITION / INFORMATION ON COMPONENTS

3.1 SUBSTANCES

White mineral oil of pharmaceutical grade. Structural formula: not applicable, the substance is a UVCB and therefore cannot be represented by a uniquely defined chemical formula.

Identification	Conc. %	Classification 1272/2008 (CLP)
White Mineral Oil (Petroleum)		
CAS. 8042-47-5 EC. 232-455-8 REACH Registration Number 01-2119487078-27-0015	100	Not classified

Text of H- and EUH-phrases: available in section 16.

SECTION 4 FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

Inhalation:
The product is not dangerous, in case of exposure to high concentration oil mist, move the patient to fresh air. In case of inhalation of liquid seek medical advice.

Skin contact:
In case of skin contact wash contaminated skin with soap and water.

Eye contact:
The product is not dangerous, in case of eye contact rinse with running water for at least 5 minutes.

Ingestion:
Do not induce vomiting. Call a doctor.

4.2 MAIN SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

For symptoms and effects due to contained substances, see section 11.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Seek medical advice and special treatment immediately. Depending on the level of exposure, regular medical check-ups are advisable.

SECTION 5 FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable extinguishing media:
Carbon dioxide, foams, powders.

Unsuitable extinguishing media: Water jets directly onto flames. Water can be used to cool closed containers exposed to flame preventing bursts and explosions.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE
In the event of combustion, hazardous fumes of carbon monoxide, carbon dioxide, unburned hydrocarbon fumes and other pyroscission products may be generated from the substance or mixture.

5.3 RECOMMENDATION FOR FIREFIGHTERS
GENERAL INFORMATION
Cool containers with jets of water to prevent decomposition of the product and the development of substances potentially hazardous to health. Always wear full fire protection equipment. Collect extinguishing water, which must not be discharged into the sewage system. Dispose of contaminated extinguishing water and fire residue in accordance with current regulations.

EQUIPMENT
Normal fire-fighting clothing, such as an open-circuit self-contained breathing apparatus (EN 137), flame-proof suit (EN469), flame-proof gloves (EN 659) and firefighter's boots (HO A29 or A30).

SECTION 6 MEASURES IN CASE OF ACCIDENTAL RELEASE

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

For non direct responders

Leave the site of the accident if you are not in possession of appropriate respiratory and eye protection equipment (see section 8).

For direct responders

Stop the leak if there is no danger. Cordon off the area of the accident Wear suitable protective equipment (including personal protective equipment listed in section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing. Avoid breathing vapours, mists and gases.

6.2 ENVIRONMENTAL PRECAUTIONS
Do not allow product to enter sewers, surface or ground water. Notify competent authorities in case of spills/leaks.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP
Dike the spill area and absorb onto inert materials (e.g. sand); remove using suitable equipment and place in containers for recovery or disposal. Remove the residue with water jets if there are no contraindications. Ensure sufficient ventilation of the place affected by the leak. Check for possible incompatibilities for container material in section 7. Disposal of contaminated material must be carried out in accordance with section 13.

6.4 REFERENCE TO OTHER SECTIONS
Information on personal protection and disposal is given in sections 8 and 13.

SECTION 7 HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING
Avoid the formation of oil mists and prevent the product from being released into the environment. Do not inhale any vapours or mists. Avoid dispersing the product in the environment. Work in adequately ventilated areas. Avoid flames and sparks. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store only in the original container. Keep containers closed, in a well-ventilated place, out of direct sunlight. Store containers away from any incompatible materials, check section 10. Do not store in open, unlabelled containers. Do not store near sources of heat, sparks, flames or strong oxidants.

7.3 SPECIAL END USES

No special use.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Regulatory references:

Italy: Legislative Decree 9 April 2008, no. 81.

EU OELS: Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 2017/164/EU; Directive 2017/2398/EU

TLV-ACGIH: ACGIH 2019

ECHA: REACH Registration Dossier

White mineral oil (petroleum)						
Threshold limit values						
Type	Status	TWA/8 h mg/m3	ppm	STEL/15min mg/m3	ppm	Notes*
TLV-ACGIH	US	10		-		Mists of refined base oil
TLV-ACGIH	US	5		-		Mists of refined base oil
DNEL Workers	EU	164				Prolonged exposure - Inhalation
DNEL Workers	EU	217 mg/kg/day				Prolonged Exposure - Dermal
DNEL Consumers	EU	37				Prolonged Exposure - Inhalation

DNEL Consumers	EU	93 mg/kg/day				Prolonged Exposure - Dermal
DNEL Consumers	EU	25 mg/kg/day				Prolonged exposure - Oral

8.2 PERSONAL PROTECTION



8.2.1 Eye protection

In case of dust formation when using the product, it is advisable to wear airtight protective goggles (ref. Standard EN 166).

8.2.2 Individual protection measures such as personal protective equipment

Eye/face protection

Use protective goggles where it is possible to come into contact with the product (EN 166 standard). provide eye wash fountains.

8.2.3 Hand protection

The substances contained in the product are not dangerous by skin contact; however, in the event of prolonged contact it is advisable to protect hands with penetration-resistant nitrile, PVC or PVA work gloves (ref. standard EN 374). Gloves with a minimum permeation time of 240 minutes or >480 minutes if suitable gloves are available. Wash hands after product use or when finished work.

8.2.4 Skin protection

Use overalls and apron made of suitable material; change contaminated clothing immediately and wash thoroughly before use. For further information refer to EN 465, 466, 467.

8.2.5 Respiratory protection

If the threshold value (e.g. TLV-TWA) of the substance or of one or more of the substances present in the product is exceeded, it is advisable to wear a mask with a type A organic vapour filter, the class (1, 2 or 3) of which must be chosen in relation to the limit concentration of use. (ref. Standard Filter mask for half face: EN 149,

Half face mask with valve: EN 405, Half face mask: EN 140 plus filter, Full face mask: EN 136 plus filter, Particle filters: EN 143, Gas/combined filters: EN 14387).

8.2.6 Appropriate hygiene measures

Good personal hygiene and work clothing should be maintained. For further information refer to standards EN 465/466/467.

8.2.7 Thermal hazards

During operations involving hot material, use heat-resistant clothing (with trousers over boots and sleeves over the cuff of gloves), heavy heat-resistant and non-slip boots (e.g. leather) (ref. EN 943-13034-14605).

8.2.8 Environmental exposure controls

Take all necessary technical precautions to avoid spreading the product in the surrounding environment. Operate only in an equipped area, provided with containment systems and emergency response equipment (See point 6). Refer to the regulations in force on atmospheric pollution, soil and water pollution (Legislative Decree 03/04/2006, no. 152 and subsequent amendments and additions).

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON PHYSICAL AND CHEMICAL PROPERTIES

9.1.1 General information

a) Physical state	Liquid
b) Colour	Colourless
c) Odour	Odourless
d) Melting point/freezing point	-10°C
e) Initial boiling point and boiling range	>370°C
f) Flammability (solids, gases)	Not applicable
g) Upper/lower flammability or explosion limits	Not available.
h) Flash point	>196°C
i) Auto-ignition temperature	>335°C
j) Decomposition temperature	Not available.
k) pH	Not available.
l) Viscosity	
Viscosity, kinematic at 40°C	20.6 to 26.0 mm/s2
Viscosity, kinematic at 100°C	Not available.
m) Water solubility	Negligible
n) Partition coefficient: n-octanol/water	Not available.
o) Vapour pressure	< 0.01 hPa
p) Density and/or relative density	859 - 867 Kg/m3 Max. at 15°C
q) Vapour density	>2
r) Particle characteristics	Not applicable
s) Explosive properties	Not classified as explosive.
t) Oxidising properties	None.

9.1.2 Other information

Miscibility Complete, in hydrocarbons and most organic solvents. The product is combustible, but not classified as flammable.

SECTION 10 STABILITY AND REACTIVITY

10.1 REACTIVITY

Non-reactive.

10.2 CHEMICAL STABILITY

The product is stable under normal conditions of use and storage.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

None.

10.4 CONDITIONS TO AVOID

Avoid exposing the product, especially in closed containers, to intense heat. Avoid overheating, open flames and sparks.

10.5 INCOMPATIBLE MATERIALS
Strong oxidising agents.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS
None.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS
The health hazards of the product have been assessed on the basis of the properties of the substances contained, according to the criteria laid down in the relevant classification regulations. Therefore consider the concentration of any individual hazardous substances mentioned in sect. 3 to assess the toxicological effects resulting from exposure to the product.

a) **Acute toxicity;**

The product is not classified for this hazard class. LD50 (oral): > 5000 mg/Kg bw (non toxic)

LD50 (dermal): > 2000 mg/Kg bw (non toxic) LC50 (inhalation):> 5000 mg/m3 air (non toxic)

Skin corrosion/irritation;

The product is not classified for this hazard class.

b) **Serious eye damage/serious eye irritation;**

The product is not classified for this hazard class.

c) **Respiratory or skin sensitisation;**

The product is not classified for this hazard class.

Germ cell mutagenicity;

The product is not classified for this hazard class.

d) **Carcinogenicity;**

The product is not classified as carcinogenic by oral, dermal or inhalation exposure. (OECD 453)

c) Toxicity for reproduction;

The product is not classified as toxic to reproduction. (OECD 421)

- Oral route: NOAEL: 1000 mg/Kg bw/day
- Dermal route: NOAEL: 2000 mg/Kg bw/day

e) **Specific target organ toxicity (STOT) - single exposure;**

The product is not classified for this hazard class.

f) **Pecific target organ toxicity (STOT) - repeated exposure;**

The product is not classified for this hazard class.

Aspiration hazard;

The product is not classified for this hazard class. Viscosity, kinematic: >20.5 mm2/s (40 °C) (ASTM D 445)

SECTION 12 ECOLOGICAL INFORMATION

12.1 TOXICITY
Non-toxic.

12.2 PERSISTENCE AND DEGRADABILITY
Although not readily biodegradable by nature, the product is moderately persistent, especially under anaerobic conditions.

12.3 POTENTIAL FOR BIOACCUMULATION
As it is poorly soluble in water, its bioavailability to aquatic organisms is minimal and therefore bioaccumulation appears unlikely.

12.4 MOBILITY IN SOIL
Information not available

12.5 RESULTS OF PBT AND vPvB ASSESSMENT
This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at concentrations of 0.1% or higher.

12.6 ENDOCRINE DISRUPTING PROPERTIES
The mixture does not contain a substance(s) included in the list established in accordance with Article 59(1) of REACH for possessing endocrine disrupting properties, or is not identified as having endocrine disrupting properties according to the criteria laid down in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7 Other adverse effects.
Information not available.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS
The hazardousness of waste containing part of this product must be assessed in accordance with current legislation. Disposal must be entrusted to an authorised waste management company, in compliance with national and possibly local regulations. Disposal of the product into the ground, sewers or water courses must be avoided at all costs.

CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in accordance with national waste management regulations and must not be abandoned after use. Dispose of safely according to local and national regulations in force. Do not cut, weld, puncture, burn or incinerate containers or drums unless they have been cleared and declared safe.

SECTION 14 TRANSPORT INFORMATION

The product is not to be regarded as dangerous according to the regulations in force for the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).

14.1 UN-NUMBER
Not a dangerous good within the meaning of transport regulations.

14.2 UN PROPER SHIPPING NAME
N.A

14.3 TRANSPORT HAZARD CLASS(ES)
N.A.

14.4 PACKING GROUP
14.5 N.A.

14.6 HAZARDS TO THE ENVIRONMENT
N.A.

14.7 SPECIAL PRECAUTIONS FOR USERS
N.A.

14.8 CARRIAGE IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE
N.A.

SECTION 15 REGULATORY INFORMATION

15.1 APPLICABLE REFERENCE LEGISLATION (NATIONAL LAWS AND REGULATIONS)

Seveso category.
None

Restrictions related to the product or contained substances according to Annex XVII Regulation (EC) 1907/2006.

Product.
Point 3

Substances in Candidate List (Art. 59 REACH).
None

Substances subject to authorisation (Annex XIV REACH).
None

Substances subject to export notification Reg. (EC) 649/2012:
None.

Substances subject to the Rotterdam Convention:
None.

Substances subject to the Stockholm Convention:
None.

Other EU Regulations
None

Health Controls

Workers exposed to this chemical agent hazardous to health must undergo health surveillance carried out in accordance with the provisions of Article 41 of Legislative Decree 81 of 9 April 2008, unless the risk to the worker's health has been assessed as insignificant, in accordance with Article 224(2).

15.2 Chemical safety assessment.
A chemical safety assessment has been carried out for the substances contained in the mixture.

SECTION 16 OTHER INFORMATION

N.D= Not determined, N.A.= not applicable

This sheet has been revised in all its sections in accordance with EU Regulation 878/2020.

16.1 CONFORMITY
The data and information given in this safety data sheet comply with current legislation. However, the user is recommended to check and comply with the specific national, regional and local regulations concerning hazardous activities and environmental protection, which are not the subject of this document.

16.2 PURPOSE
The information in this MSDS is provided for the purpose of health and safety protection in the workplace. The information contained herein relates only to the product indicated and may not apply if the product is used in combination with others or in processing.

16.3 DATE OF COMPILATION/REVISION DATE
Product name: LAVATEX 22
Compilation date: June 2023
Revision date: 03 October 2024

16.4 OBSERVATIONS
Do not use the product for uses other than those indicated in the sheet under 1.2. If used for other purposes,
the user may be exposed to unforeseeable hazards. If the information herein indicates a potential hazard or a hazardous component, appropriate instructions must be given to employees and users and all necessary precautions must be taken.

The information contained herein is based on our knowledge at the date stated above and refers to the product indicated. This sheet cancels and replaces all previous editions.
