SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

ADLER ADLUX 100

Creation date	09th January 2025		
Revision date		Version	2.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier — ADLER ADLUX 100

Substance / mixture — mixture

Number

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

Mixture's intended use

Oils intended for the lubrication of drip, piston and rotary (vane) air compressors.

Main intended use

PC-TEC-11 — Lubricants, greases, release agents

Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

1.3. Details of the supplier of the safety data sheet

Distributor

Name or trade name	MAR Andzrzej Sp.j.
Address	Łodzianka 26, Łódź, 91-604 Poland
Phone	+48 42 659 70 04
E-mail	mar@adlernarzedzia.pl
Web address	www.adlernarz

Manufacturer

Name or trade name	VENOL MOTOR OIL Spółka z ograniczoną odpowiedzialnością
Address	Lodowa 107, Łódź, 93-232 Poland
Phone	+48 42 649 15 68
E-mail	venol@venol.pl
Web address	venol.de

Competent person responsible for the safety data sheet

Name	Laboratorium VENOL MOTOR OIL
E-mail	laboratorium@venol.de

1.4. Emergency telephone number

European emergency number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Aquatic Chronic 3, H412

Most serious adverse effects on human health and the environment

Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard statements

H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P273	Avoid release to the environment.
P501	Dispose of contents/container to properly labeled waste containers in accordance with national regulations.

Supplemental information

EUH208	Contains N-1-naphthylaniline. May produce an allergic reaction.

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Does not contain any PMT or vPvM components.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 649-467-00-8 CAS: 64742-54-7 EC: 265-157-1 Registration number: 01-2119484627-25-XXXX	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified	90-100	not classified as dangerous	1, 2, 3
CAS: 128-39-2 EC: 204-884-0 Registration number: 01-2119490822-33	2,6-di-tert-butylphenol	<0.5	Skin Irrit. 2, H315 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) Specific concentration limit: Skin Irrit. 2, H315: C ≥ 35 %	
CAS: 90-30-2 EC: 201-983-0 Registration number: 01-2119488704-27-XXXX	N-1-naphthylaniline	<0.5	Acute Tox. 4, H302 Skin Sens. 1B, H317 STOT RE 2, H373 (kidneys, blood system) Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) Specific concentration limit: STOT RE 2, H373 (kidneys, blood system): C ≥ 10 % ATE Oral = 1231 mg/kg bw	

Notes

1 *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. This note applies only to certain complex oil-derived substances in Part 3.*

2 *Fulfilled Note L*

3 *Substance of unknown or variable composition, complex reaction products or biological materials - UVCB.*

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Move the victim to fresh air, keep him warm and calm. Contact a doctor if disturbing symptoms occur.

If on skin

Take off contaminated clothing. Wash contaminated skin with plenty of soap and water, and then rinse with water. In case of disturbing symptoms, consult a doctor. Wash clothes before reuse.

If in eyes

Protect non-irritated eye, remove contact lenses. Rinse contaminated eyes thoroughly with water for at least 15 minutes. with open eyelids. Avoid strong water stream - risk of cornea damage. Consult a doctor if disturbing symptoms occur.

If swallowed

Do not induce vomiting! In case of spontaneous vomiting, tilt the injured person forward in order to minimize the risk of aspiration. Do not give milk, fat or alcohol. Never give anything by mouth to an unconscious person. Consult a doctor if disturbing symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed

If inhaled

For a high vapour concentration the product may cause headache and dizziness, irritation of mucus membranes of the respiratory system, during prolonged exposure, aberrations of the central nervous system, movement coordination troubles, confusion, drowsiness, inconscience.

If on skin

For a prolonged contact possible dryness, skin cracking and chronic dermatitis.

If in eyes

Redness, tearing, burning.

If swallowed

Nausea, stomach pain, vomiting, diarrhoea.

4.3. Indication of any immediate medical attention and special treatment needed

Decision on the method of the helping procedure shall be made by a physician after a thorough assessment of the victim's condition. Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foams, water mist, dry agents, CO2.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

The product is not classified as flammable. Cool containers exposed to fire from a safe distance with a spray of water. Collect used extinguishing media. Do not allow them to enter surface water, ground water and soil. Use general protection measures typical in the event of fire. Do not stay in the fire endangered area without suitable chemical-resistant clothing and a self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For persons not belonging to the personnel eliminating the consequences of the accident: limit the access of bystanders to the accident area until the completion of appropriate cleaning operations. In case of large spills, isolate the endangered area. Do not inhale vapors and aerosols. Avoid contact with skin and eyes. Keep away all sources of ignition, extinguish open fire, do not smoke. Avoid electrostatic discharge. Use personal protection measures. Provide adequate ventilation.

For persons decomposing the consequences of an accident: make sure that the removal of the failure and its effects is performed only by trained personnel. Use personal protection measures.

6.2. Environmental precautions

Do not dispose to drains, surface and ground water. For release of bigger amounts of the mixture take measures to prevent spreading in the environment. Notify relevant rescue services.

6.3. Methods and material for containment and cleaning up

Place a damaged packaging in a substitute pack. Collect spill with non-flammable materials absorbing liquids (e.g. sand, soil, diatomaceous earth, vermiculite) and place it in closed containers. Treat the collected material as waste. Clean the contaminated place with water and detergent. Do not use sparking tools.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Work in accordance with the safety and hygiene rules. Do not eat, drink or smoke while working. Avoid contact with eyes and skin. Do not inhale vapors and aerosols. Wash hands before breaks and at the end of work. Provide adequate ventilation. Remove all sources of ignition - do not smoke. Do not use sparking tools. Keep unused containers tightly closed. Keep contaminated / soaked clothing away from sources of heat and ignition.

7.2. Conditions for safe storage, including any incompatibilities

Store only in a cool and well ventilated place. Do not store together with food, groceries and animal feed. Avoid direct sunlight, heat and ignition sources. Do not store together with incompatible substances (see section 10).

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

DNEL

N-1-naphthylaniline			
Workers / consumers	Route of exposure	Value	Effect
Workers	Dermal	0.5 mg/kg	

8.2. Exposure controls

Observe general safety and health protection rules. Do not eat, drink or smoke while working. Wash your hands thoroughly before a break and after finish of work. Avoid skin and eye contact. Provide general and/or local ventilation at a work place in order to maintain the hazardous agent concentration in the air below the set values of exposure limits.

Eye/face protection

Use protective goggles if a risk of splash occurs.

Skin protection

Hand protection: Protective gloves resistant to the product. Contaminated skin should be washed thoroughly.

Respiratory protection

Not required with proper ventilation. In case of failure or exposure to high concentration of vapors in the air, exceeding the permissible NDS values, use respiratory protection - a mask with an organic vapor absorber.

Thermal hazard

Data not available.

Environmental exposure controls

Avoid discharges to the environment, do not dispose to drains. Possible emissions from ventilation systems and process equipment should be checked for their conformity with the environmental protection law requirements.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	yellow
Odour	characteristic of petroleum products
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	data not available
Lower and upper explosion limit	data not available
Flash point	≥220 °C
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	non-soluble (in water)
Kinematic viscosity	90-110 mm²/s at 40 °C
Solubility in water	data not available
Partition coefficient n-octanol/water (log value)	data not available

Vapour pressure	data not available
Density and/or relative density	
Density	0.87 g/cm³ at 15 °C
Relative vapour density	data not available
Particle characteristics	data not available
Form	liquid

9.2. Other information

viscosity index: 95 min.
pour point: -14°C

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactive product. Does not undergo hazardous polymerization. See also section 10.3 - 10.5.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

Avoid exposure to direct sunlight, heat and ignition sources.

10.5. Incompatible materials

Avoid contact with strong oxidants and reducing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

ADLER ADLUX 100							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	ATE		246205 mg/kg				Calculation of value

2,6-di-tert-butylphenol							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Dermal	LD_{50}		>10000 mg/kg		Rabbit		
Oral	LD_{50}	OECD 401	>5000 mg/kg		Rat (Rattus norvegicus)		

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD_{50}		>5000 mg/kg		Rat (Rattus norvegicus)		
Skin	LD_{50}		>5000 mg/kg		Rabbit		
Inhalation	LC_{50}		>5.53 mg/l		Rat (Rattus norvegicus)		

N-1-naphthylaniline							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Skin	LD_{50}		>5000 mg/kg		Rabbit		
Oral	LD_{50}	OECD 401	1625 mg/kg		Rat (Rattus norvegicus)		
Oral	ATE		1231 mg/kg bw				

Skin corrosion/irritation
Based on available data the classification criteria are not met.

Serious eye damage/irritation
Based on available data the classification criteria are not met.

Respiratory or skin sensitisation
Based on available data the classification criteria are not met.

Germ cell mutagenicity
Based on available data the classification criteria are not met.

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

Reproductive toxicity
Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure
Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure
Based on available data the classification criteria are not met.

Aspiration hazard
Based on available data the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties
Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption for humans.

Other information
not available

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Acute toxicity

2,6-di-tert-butylphenol				
Parameter	Value	Exposure time	Species	Environment
EC_{50}	1.2 mg/l	96 hours	Algae (Pseudokirchneriella subcapitata)	
EC_{50}	0.45 mg/l	48 hours	Daphnia (Daphnia magna)	

2,6-di-tert-butylphenol				
Parameter	Value	Exposure time	Species	Environment
EC_{50}	>1000 mg/l	3 hours	Microorganisms	
LC_{50}	1.4 mg/l	96 hours	Fish (Pimephales promelas)	

N-1-naphthylaniline				
Parameter	Value	Exposure time	Species	Environment
EL_{50}	0.93 mg/l	96 hours	Algae (Selenastrum capricornutum)	
EL_{50}	0.3 mg/kg	48 hours	Daphnia (Daphnia magna)	
EL_{50}	>10000 mg/l	3 hours	Microorganisms	
LL_{50}	0.44 mg/l	96 hours	Fish (Oncorhynchus mykiss)	

Chronic toxicity

2,6-di-tert-butylphenol				
Parameter	Value	Exposure time	Species	Environment
NOEC	0.64 mg/kg	96 hours	Algae (Pseudokirchneriella subcapitata)	
	0.035 mg/l	21 days	Daphnia (Daphnia magna)	

N-1-naphthylaniline				
Parameter	Value	Exposure time	Species	Environment
NOEL	0.032 mg/l	21 days	Daphnia (Daphnia magna)	

12.2. Persistence and degradability

Data for the mixture are not available.

Biodegradability

2,6-di-tert-butylphenol					
Parameter	Method	Value	Exposure time	Environment	Result
	OECD 302C	12-24 %	28 days		Hardly biodegradable

N-1-naphthylaniline					
Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301C	0 %	28 days		Not biodegradable

12.3. Bioaccumulative potential

Data for the mixture are not available.

2,6-di-tert-butylphenol					
Parameter	Value	Exposure time	Species	Environment	Temperature [°C]
Log Pow	4.5				

N-1-naphthylaniline					
Parameter	Value	Exposure time	Species	Environment	Temperature [°C]
Log Pow	4.28				
BCF	1424				

12.4. Mobility in soil

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PMT or vPvM components.

12.5. Results of PBT and vPvB assessment

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PBT or vPvB components.

12.6. Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption in the environment.

12.7. Other adverse effects

Data not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling. The waste code should be given at the place of its production.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

SECTION 14: Transport information

14.1. UN number or ID number

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

Chemical safety assessment for the mixture is not required.

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

EUH208	Contains N-1-naphthylaniline. May produce an allergic reaction.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H373	May cause damage to the kidneys, blood system through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Guidelines for safe handling used in the safety data sheet

P273	Avoid release to the environment.
P501	Dispose of contents/container to properly labeled waste containers in accordance with national regulations.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

Acute Tox.	Acute toxicity
ADR	European agreement concerning the international carriage of dangerous goods by road
Aquatic Acute	Hazardous to the aquatic environment
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC_{50}	Concentration of a substance when it is affected 50 % of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EL_{50}	Effective Loading for 50 % of the tested organisms
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry

LC_{50}	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD_{50}	Lethal dose of a substance in which it can be expected death of 50% of the population
LL_{50}	Lethal Loading for 50 % of tested organisms
log Kow	Octanol-water partition coefficient
NOEC	No observed effect concentration
NOEL	No observed effect level
OEL	Occupational Exposure Limits
PBT	Persistent, bioaccumulative and toxic
PMT	Persistent, mobile and toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization
STOT RE	Specific target organ toxicity - repeated exposure
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative
vPvM	Very persistent and very mobile

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

The version 2.0 replaces the SDS version from Tuesday, 20 June 2023. Changes were made in sections 2, 11, 12, 13, 15 and 16.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.