SAFETY DATA SHEET (SDS)

Product name: Artemisia annua Essential Oil

SDS issued: 12th May, 2026 by Herkon d.o.o. Mostar

SDS ID: 18-05-2-ML/26

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY

1.1 Globally Harmonized System (GHS) Product identifier

Substance Name:	Artemisia annua essential Oil, Bosnia and Herzegovina, Natural Complex Substance (100% Pure and Natural)
Latin name of botanical source:	*Artemisia annua*
EC Name:	Artemisia annua Oil
CAS Number:	**84775-74-6**
EINECS:	**283-903-4**
REACH Registration Number:	-

Other means of identification

Item ID: LOT No: 070824

Seal ID: H-MO-193

Seal 2nd distribution:

Plomba br. H-MO-193
UPOZORENJE:
NEVAŽEĆE U SLUČAJU OŠTEĆENJA!
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PODUZEĆE ZA KONTROLU KAKVOĆE I KOLIČINE ROBE
INSPEKCIJSKO TIJELO

1.2 Relevant identified uses and restrictions on use:

Aromatic ingredient: aromatherapy, natural perfumery, as recommended. Not for direct consumption as such. Do not ingest.

1.3 Supplier's details:

Company Name:

Company adress:

Company contact:

1.4 Emergency telephone number:

For Transport Emergencies:

EMERGENCY PHONE

SECTION 2: HAZARD (S) IDENTIFICATION

2.1 Classification of the substance or mixture

According to regulation EC 1272/2008	
Flam. Liq., Category 3	H226
Asp. Tox., Category 1	H304
Skin Sens., Category 1	H317
Aquatic Chronic, Category 1	H410

Refer to the section 16 of the all hazard statements

2.2 GHS label elements, including precautionary statements

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Signal Word	Hazardous Statement	Precautionary Statement	Hazard Pictograms
Danger	**H226**-Flammable liquid and vapour **H304**-May be fatal if swallowed and enters airways **H317**-May cause an allergic skin reaction **H410**-Very Toxic to aquatic life with long lasting effects	P102-Keep out of the reach of children P210-Keep away from heat/sparks/open flames/hot surfaces- No smoking P233-Keep container tightly closed P273-Avoid release to the environment P240-Ground/bond container and receiving equipment P241-Use explosion proof electrical/ventilating/lighting equipment P242-Use only non sparking tools P243-take precautionary measures against static discharge P261-Avoid breathing dust/fume/gas/mist/vapors/spray P264-Wash hands thoroughly after handling P272-Contaminated work clothing should not be allowed out of the workplace P280-Wear protective gloves/protective clothing/ eye protection/face protection P301+P310-IS SWALLOWED: immediately call a Poison center or doctor/physician P302+P352-IF ON SKIN: Wash with plenty of soap and water P331-DO NOT induce vomiting P370+P378- IN CASE OF FIRE: Use carbon dioxide, powder foam for extinction P391-Collect spillage P332+P313-IF SKIN IRRITATION OCCURS: Get medical advice/attention P333+P313- IF SKIN IRRITATION OR RASH OCCURS: Get medical advice/attention P305+P351-IF IN EYES: Rinse continuously with water for several minutes P303+P361+P353-IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower P321-Specific treatment P362-Take off contaminated clothing P363-Wash contaminated clothing before reuse P402-Store in a dry place P403+P235-Store in a well ventilated place. Keep cool P405-Store locked up P501-Dispose of contents/container to a collection of special or hazardous waste and in accordance with national/regional/international regulations	

2.3 Other hazards (that do not result in classification)

May cause skin irritation/allergy. Patch test recommended.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

3.1Composition

Chemical Name	CAS#	EINECS#	Regulation EC	RTECS#	UN#	% by

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(common name)			**1272/2008**			
Artemisis annua Oil	84775-74-6	283-903-4	Flam. Liq. 3: H226, Asp. Tox. 1: H304, Skin Irrit. 2: H315, Skin Sens. 1: H317, Eye Irrit. 2: H319, Aquatic Chronic 1: H410	N/A	1197 - Extracts, liquid	< = 100%
EU Allergens:						
Limonene	5989-27-5	205-341-0	Flam. Liq. 3: H226, Skin Irrit. 2: H315 Skin Sens. 1: H317	N/A	N/A	<5%
Prop 65:						
Beta-Myrcene	123-35-3	204-622-5	Flam. Liq. 3: H226, Skin Irrit. 2: H315, Eye Irrit. 2: H319, Asp. Tox. 1: H304	N/A	N/A	4.12%

SECTION 4: FIRST-AID MEASURES

4.1 Description of necessary first-aid measures (of Substance)

Eye contact:
Check for and remove any contact lenses. Flush with water for 15 minutes. If symptoms persist get medical attention.

Skin Contact:
No harmful effect with normal skin. If skin irritation does occur, wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

Excessive inhalation:
Not likely to occur under normal conditions of use. If symptoms occur, move to fresh air and obtain medical advice.

Ingestion:
Not an expected route of exposure. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with milk or water and consult a doctor. Keep the exposed person at rest. Do NOT force vomiting unless directed to do so by medical personnel. Seek immediate medical attention and show the Substance's label to medical personnel.

4.2 Most important symptoms and effects, both acute and delayed (of Substance)

Eye contact:
May cause eye irritation and corneal damage if not immediately rinsed out.
Skin Contact:
Repeated contact may cause allergic dermatitis.

Inhalation:
Breathing high concentrations of vapor may cause anesthetic effects.

Ingestion:
Not an expected route of exposure.

4.3 Indication of any immediate medical attention and special treatment needed (of Substance)
None known.

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT = 48,5°C (CoA no. 10-140/26 issued on 12th May 2026 by Herkon d.o.o. Mostar Test Laboratory)

5.1 Extinguishing media

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Suitable extinguishing media: sprayed water or water mist, alcohol-resistant foam, multipurpose ABC powder, BC powder, carbon dioxide (CO_2)

Unsuitable extinguishing media: water jet (straight stream).

5.2 Specific hazards arising from the chemical/special fire fighting procedures

None known.

5.3 Special protective actions for firefighters

Use self-contained breathing apparatus and protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Stop leak if you can do so without risk. Avoid contact with skin, eyes, and clothes. Provide adequate ventilation. Consult safety measures listed under Sections 7 and 8.

For firefighters:
Firefighters will be equipped with suitable personal protective equipment (See Section 8). High temperature may increase the pressure inside the container-cool the container by sprinkling water. Avoid breathing emitted vapors.

6.2 Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, or diatomaceous earth in drums for waste disposal. Avoid allowing product to reach sewage system or any waterways. Inform respective authorities in case of seepage into sewage system or waterways.

6.3 Methods and material or containment and cleaning up/collecting measures

Absorb spill with non-combustible matter (such as detergent, do not use solvents) and transfer to containers.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid unintentional contact with skin surfaces. Wear suitable protective clothing. Avoid inhalation. Ensure good ventilation or exhaust in workplace. Do not allow contact with eyes. Always wash hands after handling. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas. Do not eat, drink, smoke in the working areas.

7.2 Conditions for safe storage, including any incompatibilities

Store in closed glass containers, away from heat, light and other sources of ignition. Store in cool area..

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control parameters

OSHA TWA: None established
OSHA STEL: None established
ACGIH TWA: None established
ACGIH STEL: None established
NOHSC TWA: None established
NOHSC STEL: None established

8.2 Appropriate exposure control and Individual protection measures

General room or local exhaust ventilation is usually required to meet exposure limit(s). Electrical equipment should be grounded and conform to applicable electrical code. Do not re-use empty containers.

Eye/face protection:
Avoid contact with eyes. Use eye protectors (safety goggles in accordance with standard EN166) designed to protect against liquid splashes.

Hand protection:

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ear suitable protective gloves (resistant to chemical agents in accordance with standard EN374) in the event of prolonged or repeated skin contact.

Type of gloves recommended:
Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR)) or PVA (Polyvinyl alcohol).

Body protection:
Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.


Safety Glasses


Paint Suit


Gloves

SECTION 9: PHYSICAL CHEMICAL PROPERTIES

9.1 Basic informations:

Physical state: Transparent liquid
Color: Clear, pale yellow
Odor: Characteristic, strong
Miscibility in water: Insoluble
Miscibility in alcohol: Soluble
Miscibility in essential oil: Soluble
Liposolubility: Liposoluble
pH: Not applicable.
Boiling point/boiling range: Not specified.
Flash Point: 48,5°C
Vapor pressure: Not specified.
Evaporation rate: Not specified.
Refractive index 20 °C: 1.474
Water solubility: Insoluble.
Self-ignition temperature: Not specified.
Decomposition point/decomposition range: Not specified
Density at 20°C: 0.887 g/cm3
Partition coefficient: Not specified

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
Not reactive.

10.2 Chemical stability
This substance is stable under the recommended handling and storage conditions in Section 7.

10.3 Possibility of hazardous reactions
When exposed to high temperatures, the substance may release hazardous decomposition products, such as carbon monoxide, carbon dioxide, fumes, and nitrogen oxide.

10.4. Conditions to avoid

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one known.

10.5 Incompatible materials
Alkali metals, oxidizing agents, peroxides strong organic acids, ammonia.

10.6 Hazardous decomposition products
The thermal decomposition may release/form carbon monoxide (CO) and carbon dioxide (CO_2).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Acute toxicity
Oral (rat) LD50 6280 mg/kg

11.2 Skin corrosion/irritation
May be irritating to skin.

11.3 Serious eye damage/irritation
May be irritating to eyes. Prompt rinsing and removal of the substance will avoid damage.

11.4 Respiratory sensitization
Breathing high concentrations of vapor may cause anesthetic effects.

11.5 Exposure
Exposure to vapors from this solvent in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Repeated or prolonged contact with the substance may cause removal of natural oil from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible damage.

11.6 Germ cell mutagenicity
Not specified

11.7 Carcinogenicity
IARH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

11.8 Reproductive toxicity
Not specified

11.9 STOT-single exposure:
Not specified

11.10 STOT-related exposure
Not specified

11.11 Aspiration hazard
Not specified

11.12 Information on the likely routes of exposure
Skin/scalp contact.

11.13 Symptoms related to the physical, chemical, and toxicological characteristics
None known. Irritation of the eye if exposed. Redness of the skin if irritated.

11.14 Delayed and immediate effects and also chronic effects from short-therm and-term exposure
Exposure to vapors from this solvent in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver, and central nervous system.
Repeated or prolonger contact with the substance may cause removal of natural oil from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible damage.

11.15 Interactive effects
Not specified

11.16 Where specific chemical data are not available

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ot specified

11.17 Substances
Not specified

11.18 Substances verses ingredient information
Not specified

11.19 Other Information
RTECS: Not specified

SECTION 12: ECOLOGICAL INFORMATION

12.1 Info summery of ecological information
Balance of data on substance as a whole, not determined

12.2 Eco toxicological properties of specific substances
See each category below for specific substances

12.3 Toxicity
Acute fish toxicity:
LCSO /96 HOUR- No data available
Toxicity to aquatic plants- No data available
Toxicity to microorganisms- No data available
Toxicity threshold- No data available

12.4 Persistence and degradability
Biodegradation is expected

12.5 Bio-accumulative potential
Bioaccumulation is unlikely

12.6 Mobility in soil
Unknown

12.7 Results of PBT and vPvB assessment
No data available

12.8 Other adverse affect
Avoid exposure to marine environments and waterways

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not pour into drains or waterways. Observe all federal, state and local environmental regulations. Member State-specific and Community- specific provisio must be considered. Considering the relevant known environmental and human health hazards of the materials, review and implement appropriate technical an procedural wastewater and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization b practiced. The best available technology should be utilized to prevent environmental release. This may include destructive techniques for waste and wastewate In extreme situations, contact a licensed professional waste disposal service to dispose of this material.

Waste:

Proper waste management of the substance and/or its container must be determined in accordance with Directive 2008/98/EC. Do not pour into drains o waterways. Waste management is carried out without endangering human health, without harming the environment, and in particular without risk to water, ai soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Soiled packaging:

Empty all containers completely. Keep label(s) on every container. Give to a certified disposal contractor.

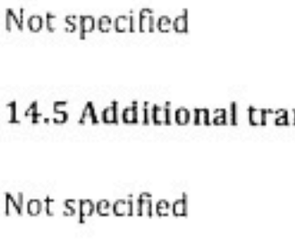
SECTION 14: TRANSPORT INFORMATION

14.1 UN Number

UN 1197 - Extracts, liquid

14.2 Transportation hazard classes

ADR	3, III, D/E
IATA	3, III
IMDG	3, III



14.3 Environmental hazards

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

14.4 Transport in bulk according to Annex II of MARPOL 73/78° and IBC Code

Not specified

14.5 Additional transport information

Not specified

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SECTION 15: REGULATORY INFORMATION

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

Country	Notification
Canada	Not regulated
EU	See EU Allergens in Section 3
Hong Kong	Not regulated
Singapore	Not regulated
USA	**California Prop. 65 Components** This contains chemicals known to the State of California to cause cancer, birth defects, and/or reproductive harm. See Section 3 for details.

SECTION 16: OTHER INFORMATION

The information in this Safety Data Sheet (SDS) is believed to be accurate as of the date issued. It was obtained from current and reliable sources. Information provided by Lazarus d.o.o. Stolac, Bosnia & Herzegovina was used as input for creating this Safety Data Sheet (SDS). Herkon d.o.o. Mostar seal if used, is meant to stay on through to the specified product final destination and is removed by the consignee.

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Bibliography, data sources: IFRA IOFI Labeling manual 2018, above mentioned Regulation, other data sources and data bases

Hazardous classification for mixture and evaluation methods according to Reg EC 1272/2008

Classification		Method
Toxic to aquatic life with long lasting effects	H410	Calculated
May cause an allergic skin reaction	H317	Calculated
Flammable liquid and vapour	H226	Based on test data
May be fatal if swallowed and enters airways	H304	Calculated

Safety Data Sheet (SDS) consists of nine (9) pages

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- END OF SAFETY DATA SHEET (SDS)-

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