



# SAFETY DATA SHEET

## ARGAN OIL LZS BIO DEO CZ-BIO-003

according to Regulation (EC) No. 1907/2006 (REACH)  
and Commission Regulation (EU) No. 2015/830

Issue Date: 29/06/2018  
Revision Date: -  
version: AND

### Section 1: Identification of the substance/mixture and the company/enterprise

#### 1.1 Product identifier

Chemical / trade name: **ARGAN OIL LZS BIO DEO CZ-BIO-003**  
INCI name: Argania Spinosa Kernel Oil  
CAS identification number: 223747-87-4  
Registration number: Exempted from compulsory regulation according to Annex II No. 9 of Commission Regulation (EC) No. 987/2008 amending Regulation (EC) No 1907/2006 of REACH as regards Annexes IV and V.

Manufacturer: Ekokoza s.r.o.  
Address: Fryčovice 297, 73945, Fryčovice ID:  
07508247, eshop@ekokoza.cz

#### 1.2 Relevant determinations of use of the substance or mixture and advised against uses

Intended uses: Not listed.

Not recommended uses: Not listed.

#### 1.3 Detailed data on the supplier of the safety data sheet

Trade name: Ekokoza s.r.o.  
Punch: Fryčovice 297,  
73945, Fryčovice  
Phone: ID: 07508247,  
www: eshop@ekokoza.cz  
BL processor:

#### 1.4 Telephone number for emergency situations

Toxicology Information Centre, Na Bojišti 1, Prague 2, 128 08 Tel.: +420 224 91  
92 93, +420 224 91 54 02 - NONSTOP

### Section 2: Hazard identification

#### 2.1 Classification of substance / mixture

(EC) No. Classification according to Regulation  
1272/2008 (CLP):

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008

#### 2.2 Marking elements

Labeling according to Regulation (EC) No. 1272/2008 (CLP):

Symbol: Not classified.

Signal word: Not classified.

Contains: Argan oil.

H-phrases: Not classified.

P-instructions: Not classified.

Additional information: They are not.

#### 2.3 Another danger

see section 12.5

### Section 3: Composition / information on ingredients

Ekokoza s.r.o.  
Fryčovice 297, 73945, Fryčovice  
IČ: 07508247, eshop@ekokoza.cz, +420605779993



# SAFETY DATA SHEET

## ARGAN OIL LZS BIO DEO CZ-BIO-003

according to Regulation (EC) No. 1907/2006 (REACH)  
and Commission Regulation (EU) No. 2015/830

Issue Date: 29/06/2018  
Revision Date: -  
version: AND

### 3.1 Substances

### 3.2 Mixtures

Folder name	Contents (%)	TIME EINECS Index N° Reg. number	Classification according to regulation (EC) no. 1272/2008 (CLP)
Argan oil	100	223747-87-3 - - -	Not classified

Full text of H-phrases in point 16.

## Section 4: First aid instructions

### 4.1 Description of first aid

#### General instructions:

In case of accident or if you feel unwell, seek medical attention immediately (show this SDS or the label if possible).

#### When inhaling:

Move the victim to fresh air, keep him calm, prevent hypothermia.

In case of problems, seek medical help.

#### In case of skin contact:

Remove the stained clothing, wash the affected area thoroughly with soap and water, treat with a suitable cream.

#### In case of eye contact:

Rinse immediately with plenty of water. If contact lenses are worn, carefully remove them and start rinsing the affected eye wide open with clean water from the inner corner to the outer corner and also under the lids for at least 15 minutes. Seek medical attention if problems persist.

#### If ingested:

Rinse mouth with water, never induce vomiting. Seek medical attention immediately.

#### Protection of first responders:

First of all, take care of your own safety and protection.

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

If first aid procedures are effectively applied, no acute or delayed symptoms or effects are expected.

### 4.3 Indication of immediate medical attention and special treatment

It is generally recommended for ingestion.

## Section 5: Fire fighting measures

### 5.1 Fire extinguishers

#### Suitable extinguishing agents:

Foam, dry powder, carbon dioxide, water spray, sand

#### Unsuitable extinguishing agents:

Direct stream of water - fire could spread.

### 5.2 Special hazards arising from the mixture

None.

### 5.3 Instructions for firefighters

Do not enter the fire area without protective equipment, including self-contained breathing apparatus. Use a water shower or mist to cool containers exposed to fire. Prevent the leakage of extinguishing water into the environment.

Ekokoza s.r.o.  
Fryčovice 297, 73945, Fryčovice  
IČ: 07508247, eshop@ekokoza.cz, +420605779993



# SAFETY DATA SHEET

## ARGAN OIL LZS BIO DEO CZ-BIO-003

Issue Date: 29/06/2018  
Revision Date: -  
version: AND

according to Regulation (EC) No. 1907/2006 (REACH)  
and Commission Regulation (EU) No. 2015/830

### Section 6: Accidental release measures

#### 6.1 Personal protection measures, protective equipment and emergency procedures

Use PPE - suitable protective clothing, gloves and eye and face protection.  
Eliminate all possible sources of ignition and ignition. Ensure ventilation of the affected area. All persons not involved in rescue work should be sent to a safe distance.

#### 6.2 Environmental protection measures

Prevent leakage into the environment, prevent entry into surface water and sewage. In the event of a leak into a sewer or watercourse, immediately inform its manager, or competent authorities.

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

In the event of a leak, locate and, if possible, pump out the product or mechanically remove it, remove it from the surface of the water. Allow residues or smaller amounts to soak into a suitable sorbent (Vapex, diatomaceous earth, sand) and place in suitable marked containers and hand over for disposal in accordance with applicable regulations.

#### 6.4 Reference to Other Sections

see dept. 7, 8 and 13.

### Section 7: Handling and storage

#### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Use appropriate PPE. Use in well-ventilated areas with a guaranteed supply of fresh air. Do not eat, drink or smoke while working. Wash hands after finishing work. Comply with legal regulations on occupational health and safety.

#### 7.2 Conditions for safe storage of mixtures, including incompatible substances and mixtures

Store in well-closed original packaging in a dry, cool and well-ventilated place. Do not store together with food, drink and feed.  
Do not store together with strong acids and bases. Recommended storage temperature < 50°C. Store away from heat, sparks and open flames.

#### 7.3 Specific end / specific end uses

see dept. 1.2

### Section 8: Exposure controls / personal protective equipment

#### 8.1 Control parameters

##### Exposure limits:

Government Regulation No. 361/2007 Coll., which establishes the conditions for health protection at work, as amended, establishes the following maximum permissible concentrations (NPK-P) and permissible exposure limits (PEL) of chemical substances in the workplace air:

Substance	TIME	PEL (mg/m <sup>3</sup> )	NPK-P (mg/m <sup>3</sup> )	Note

DNEL and PNEC values for the other components of the mixture have not been determined.



# SAFETY DATA SHEET

## ARGAN OIL LZS BIO DEO CZ-BIO-003

Issue Date: 29/06/2018  
Revision Date: -  
version: AND

according to Regulation (EC) No. 1907/2006 (REACH)  
and Commission Regulation (EU) No. 2015/830

### 8.2 Limitation of exposure

Technical measures:	Engineering measures and appropriate work procedures take precedence over personal protective equipment. Observe normal hygiene principles. Do not eat, drink or smoke while working. Wash your hands with warm water and soap before a work break and after work.
Individual protective measures	
Respiratory tract:	None
Hands:	None
Eyes:	Safety glasses with side labels or a face shield, according to ČSN EN 166.
Skin:	None.
Thermal hazards:	None.
Limiting environmental exposure:	Prevent unnecessary leaks into the environment.

### Section 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

State:	Liquid
Color:	Yellow to orange.
Odor:	Characteristic. No
Odor Threshold: pH :	data available. No data available.
Melting / freezing point (°C):	-5
Initial boiling point / boiling point range (°C):	> 350
Flash point (°C):	> 300
Evaporation rate:	No data available. No
Combustibility:	data available. No data available.
Limits (upper / lower) of flammability / explosiveness:	available.
Vapor pressure (20 °C):	No data available. No
Vapor pressure (50 °C):	data available. No data available.
Vapor density:	available.
Relative density (g/cm <sup>3</sup> , 20 °C):	0.918
Solubility in water (20 °C):	insoluble No
Partition coefficient n-octanol/water:	data available.
Auto-ignition temperature:	> 300
Decomposition temperature:	> 220
Viscosity (20 °C):	33.1
Refractive index (20 °C):	No data available. No
Oxidizing properties:	data available. No data available.
Explosive properties:	available.

#### 9.2 Additional information

VOC content (%):	0
Dry matter content: Additional information:	No data available. They are not.

### Section 10: Stability and reactivity

10.1 Reactivity	Information not available.
-----------------	----------------------------

Ekokoza s.r.o.  
Fryčovice 297, 73945, Fryčovice  
IČ: 07508247, eshop@ekokoza.cz, +420605779993



# SAFETY DATA SHEET

## ARGAN OIL LZS BIO DEO CZ-BIO-003

Issue Date: 29/06/2018  
Revision Date: -  
version: AND

according to Regulation (EC) No. 1907/2006  
(REACH) and Commission Regulation (EU)

No. 2015/830 Thermal decomposition occurs at a temperature higher than 220.

- 10.2 Chemical stability
- 10.3 Possibility of hazardous reactions Information not available.
- 10.4 Conditions to avoid Avoid contact with oxidizing agents.
- 10.5 Incompatible materials Acrolein (> 300 °C)
- 10.6 Hazardous decomposition products None.

### Section 11: Toxicological information

#### 11.1 Information on the toxicological effects of individual components

Argan oil. (CAS: 223747-87-3)

Acute toxicity:

Test type	Result	Exposure route	Test organism
	No data available		

Serious eye damage/irritation:

Test type	Result	Exposure route	Test organism
	No data available.		

Skin corrosion/irritation:

Test type	Result	Exposure route	Test organism
	No data available.		

Respiratory/Skin Sensitization:

Test type	Result	Exposure route	Test organism
	No data available.		

STOT - single exposure:

Test type	Result	Exposure route	Test organism
	No data available.		

STOT - repeated exposure:

Test type	Result	Exposure route	Test organism
	No data available.		

Carcinogenicity:

Test type	Result	Exposure route	Test organism

Ekokoza s.r.o.  
Fryčovice 297, 73945, Fryčovice  
IČ: 07508247, eshop@ekokoza.cz, +420605779993



# SAFETY DATA SHEET

## ARGAN OIL LZS BIO DEO CZ-BIO-003

Issue Date: 29/06/2018  
Revision Date: -  
version: AND

according to Regulation (EC) No. 1907/2006

(REACH) and Commission Regulation

(EU) No. 2015/830 No data available.

### Germ cell mutagenicity:

Test type	Result	Exposure route	Test organism
	No data available.		

### Reproductive toxicity:

Test type	Result	Exposure route	Test organism
	No data available.		

### Inhalation hazard:

Test type	Result	Exposure route	Test organism
	No data available.		

### Mixture:

### Acute toxicity:

Test type	Result	Exposure route	Test organism
	No data available		

### Serious eye damage/irritation:

Test type	Result	Exposure route	Test organism
	No data available.		

### Skin corrosion/irritation:

Test type	Result	Exposure route	Test organism
	No data available.		

### Respiratory/Skin Sensitization:

Test type	Result	Exposure route	Test organism
	No data available.		

### STOT - single exposure:

Test type	Result	Exposure route	Test organism
	No data available.		

### STOT - repeated exposure:

Test type	Result	Exposure route	Test organism
	No data available.		

### Carcinogenicity:

Ekokoza s.r.o.  
Fryčovice 297, 73945, Fryčovice  
IČ: 07508247, eshop@ekokoza.cz, +420605779993



# SAFETY DATA SHEET

## ARGAN OIL LZS BIO DEO CZ-BIO-003

Issue Date: 29/06/2018  
Revision Date: -  
version: AND

according to Regulation (EC) No. 1907/2006 (REACH)  
and Commission Regulation (EU) No. 2015/830

Test type	Result	Exposure route	Test organism
	No data available.		

### Germ cell mutagenicity:

Test type	Result	Exposure route	Test organism
	No data available.		

### Reproductive toxicity:

Test type	Result	Exposure route	Test organism
	No data available.		

### Inhalation hazard:

Test type	Result	Exposure route	Test organism
	No data available.		

## Section 12: Ecological information

### 12.1 Toxicity

#### Argan oil. (CAS: 223747-87-3)

Toxicity	Test organism	Result	Test type
Acute toxicity to fish:		No data available. No	
Acute toxicity to invertebrates:		data available.	
Acute toxicity to algae:		No data available.	

### 12.2 Persistence and Deployability

Biodegradable product.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

Based on the results of the assessment, this substance is not PBT or vPvB

### 12.6 Other Adverse Effects

Avoid release to the environment. According to the Water Act, as amended, petroleum liquids are considered dangerous, therefore, from the point of view of surface and underground water quality protection requirements, it is necessary to follow the instructions of ČSN 75 3418 when transporting larger volumes.

## Section 13: Disposal considerations

### 13.1 Waste management methods

Cat. C.

group 13 - Oil waste and liquid fuel waste 15 01 10 - N -

~~Waste~~ Contaminated package contaminated with the mixture:

Packaging containing residues of dangerous substances or packaging contaminated with these substances.

Ekokoza s.r.o.  
Fryčovice 297, 73945, Fryčovice  
IČ: 07508247, eshop@ekokoza.cz, +420605779993



# SAFETY DATA SHEET

## ARGAN OIL LZS BIO DEO CZ-BIO-003

Issue Date: 29/06/2018  
 Revision Date: -  
 version: AND

*according to Regulation (EC) No. 1907/2006 (REACH)  
 and Commission Regulation (EU) No. 2015/830*

**Recommended procedure for disposal of mixture waste:** Collect the remains of the mixture in marked containers and hand them over to a person authorized to handle hazardous waste for disposal. If possible, regenerate the product. The recommended method of disposal is in an incinerator or by depositing NO.

**Recommended procedure for disposal of waste packaging contaminated with substance / mixture:** Empty packaging must be disposed of by the waste generator in accordance with applicable waste legislation. Recommended method of disposal in an incinerator. Properly emptied and cleaned packaging can be recycled - reused for the same purposes.

**Physical/chemical properties that may affect waste management:** No data available.

**Prevention of disposal of wastes through sewers:** Protect against the weather. Prevent leakage of waste into water/soil/sewage. In case of leakage, inform the relevant authorities.

**Special precautions for waste management:** Dispose in accordance with applicable legislation.

### Section 14: Transport information

	Transport type	Land transport ADR/RID	Sea transportation IMDG	Air transport ICAO / IATA
14.1	UN number			
14.2	Official (UN) shipping name	It is not a dangerous item in terms of transport.		
14.3	Transport hazard class			
	Classification code:			
	Hazard identification number:			
	Safety signs:			
14.4	Packaging group			

**14.5 Environmental hazard** Not determined.

**14.6 Special security measures for users**  
 Limited and exempt quantities:  
 Transport category:  
 Restriction code for tunnels:

**14.7 Bulk transport according to Annex II of the MARPOL Convention and the IBC Regulation**  
 Not applicable.

Ekokoza s.r.o.  
 Fryčovice 297, 73945, Fryčovice  
 IČ: 07508247, eshop@ekokoza.cz, +420605779993



# SAFETY DATA SHEET

## ARGAN OIL LZS BIO DEO CZ-BIO-003

Issue Date: 29/06/2018  
Revision Date: -  
version: AND

according to Regulation (EC) No. 1907/2006 (REACH)  
and Commission Regulation (EU) No. 2015/830

### Section 15: Regulatory Information

#### 15.1 Safety, health and environmental regulations / specific legislation relating to the substance or mixture

all as amended and including implementing regulations

Act No. 350/2011 Coll., on chemical substances...

Act No. 258/2000 Coll., on the protection of public health...

Act No. 185/2001 Coll., on waste...

Act No. 201/2012 Coll., on air...

Act No. 254/2001 Coll., on waters...

Act No. 477/2001 Coll., on packaging...

Act No. 111/1994 Coll., on road transport

Act No. 224/2015 Coll., on the prevention of serious accidents...

NV No. 361/2007 Coll., Health protection conditions at work...

Decree No. 432/2003 Coll., which establishes the conditions for classifying works into categories...

Regulation (EC) No. 1272/2008 (CLP) on classification, labeling and packaging of substances and mixtures,...

Directive 67/548/EEC as amended Regulation (EC) No.

1907/2007 (REACH) on the registration, evaluation, authorization and restriction of chemical substances....

Regulation of the European Parliament and the Council (EC) No. 648/2004 on detergents

Regulation (EC) No. 528/2012 on biocides

#### 15.2 Chemical safety assessment

Not classified as dangerous according to CLP Regulation (EC) No. 1272/2008.

Not classified as dangerous according to Directive 67/548/EC or Directive 1999/45/EC.

### Section 16: Additional Information

Full text of all H-phrases listed in point 3:

H-phrases:

Not classified.

Abbreviations:

PEL	Permissible exposure limit
NPK-P	The highest permissible concentration in the workplace
PBT	Persistent, bioaccumulative, toxic
vPvB	Highly persistent and highly bioaccumulative
VOCs	Volatile organic substances
TIME	Chemical Abstracts Service
EINECS	European Inventory of Existing Commercial Chemical Substances
OEL	Occupational Exposure Limit (exposure limit at the workplace - 8 hours/shift)
STEL	Short Term Exposure Limit (short-term exposure - corresponds to approx. 15 min.)
TODAY	Derived no-effect level
PNEC	Predicted no-effect concentration
LD50	Lethal dose for 50% of individuals (lethal dose for 50%)
LL50	Lethal load for 50% (lethal load for 50%)
EL50	Effect level for 50%
IL 50	Inhibition load for 50% (inhibition load for 50%)
LC50	Lethal concentration for 50% (lethal concentration for 50%)

Ekokoza s.r.o.  
Fryčovice 297, 73945, Fryčovice  
IČ: 07508247, eshop@ekokoza.cz, +420605779993



# SAFETY DATA SHEET

## ARGAN OIL LZS BIO DEO CZ-BIO-003

Issue Date: 29/06/2018  
Revision Date: -  
version: AND

according to Regulation (EC) No. 1907/2006 (REACH)  
and Commission Regulation (EU) No. 2015/830

<b>EC50</b>	<b>Effect concentration for 50% (effect concentration for 50%)</b>
<b>IC50</b>	<b>Inhibition concentration for 50% (inhibition concentration for 50%)</b>
<b>CHRISTMAS</b>	<b>No observable effect level</b>
<b>NOAEL</b>	<b>No observable adverse effect level</b>
<b>NOAEC</b>	<b>No observable adverse effect concentration</b>
<b>LOL</b>	<b>Lowest observable effect level</b>
<b>LOAEL</b>	<b>Lowest observable adverse effect level</b>
<b>LOEC</b>	<b>Lowest observable effect concentration</b>
<b>LOAEC</b>	<b>Lowest observable adverse effect concentration</b>
<b>NO</b>	<b>Exposure without effect (no effect level)</b>
<b>ADR</b>	<b>European agreement on the international transport of dangerous goods by road</b>
<b>RID</b>	<b>Order for the International Rail Transport of Dangerous Goods</b>
<b>IMDG</b>	<b>International Regulation on the Carriage of Dangerous Goods by Sea</b>
<b>ICAO</b>	<b>Technical instructions for the safe air transport of dangerous goods</b>
<b>IATA</b>	<b>International Air Transport Association</b>
<b>WGK</b>	<b>Water hazard classes (Wassergefährdungsklassen)</b>
<b>TT</b>	<b>Toxic threshold</b>
<b>ADN</b>	<b>Inland waterways</b>

Changes against the previous version of BL:

The following materials were used for the revision of the safety data sheet: Casac software, MSDS of the supplier

### Training Guidelines:

Workers who come into contact with dangerous substances must be familiarized with the effects of these substances, the methods of handling them, and protective measures to the extent necessary.

Furthermore, they must be familiar with the principles of first aid, with the necessary sanitation procedures and with the procedures for liquidating malfunctions and accidents.

The person who handles this chemical product must be familiar with the safety rules and information given in the safety data sheet.

If the hazardous chemical substance/mixture is classified as corrosive or toxic, workers must be familiar with the Rules for Handling Corrosive/Toxic Chemical Substance/Mixture.

Persons transporting dangerous substances must be familiar with the instructions in the event of an accident in accordance with ADR/RID regulations.

### Additional information:

The above information describes the conditions for safe handling of the product and corresponds to the current knowledge of the manufacturer, serves as instructions for the training of persons handling the product.

The manufacturer bears a guarantee for the above-described properties of the product in the recommended way of use.

The user is responsible for determining the suitability of the product for specific purposes and adapting safety measures if this use is contrary to the manufacturer's recommendations.

Ekokoza s.r.o.  
Fryčovice 297, 73945, Fryčovice  
IČ: 07508247, eshop@ekokoza.cz, +420605779993