

SAFETY DATA SHEET

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

No. 453/2010 **Avocado oil**

Creation date January 28, 2014
Date of revision

Revision number
Version number 1

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

undertaking 1.1. Product identifier

Substance /

Avocado oil

mixture

Substance 5002

8024-32-6

Number CAS number EC number (EINECS)

232-428-0

Other names of the

substance 1.2. Appropriate designated uses of the substance or mixture and advised against

Intended use of the substance

uses Vegetable oil suitable for food preparation and the
production of cosmetic products.

Unrecommended uses of the

The product must not be used in ways other than those listed in
section 1.

substance Chemical safety report

1.3. Detailed information about the supplier of the safety data sheet

Manufacturer

Name or business name

Ekokoza s.r.o

FRYČOVICE 297

Place of business or domicile

739 45 FRYČOVICE

Phone

605779993

E-mail

obchod@ekokoza.cz

Website address

Distributor

Ekokoza s.r.o

Name or business name

Ekokoza s.r.o

ČFRYČOVICE 297

Place of business or domicile

739 45 FRYČOVICE

Phone

E-mail

Professionally qualified person responsible for the safety data sheet

Name

E-mail

1.4. Emergency phone number Toxicology Information

Centre, Na Bojišti 1, Prague, Tel.: 224 919 293 or 224 915 402, Information only for health risks – acute poisoning of people and animals

SECTION 2: Hazard identification 2.1.

Classification of the substance or mixture

Classification of the substance according to Regulation

EC 1272/2008 The substance is not classified as dangerous according to Regulation (EC) 1272/2008.

Classification of the substance according to Directive 67/548/

EEC The substance has not been classified.

The full text of all classifications, H-phrases and R-phrases is given in section 16.

The most serious adverse physico-chemical effects

The substance does not pose any risk to humans. It is not expected to cause long-term adverse effects in the environment.

The most serious adverse effects on human health and the environment

not specified

2.2. Marking elements

SAFETY DATA SHEET

according to European Parliament and Council Regulation
(EC) No. 1907/2006 (REACH) and Commission Regulation (EU) No. 453/2010 **Avocado**

oil

Creation date January 28, 2014
Date of revision

Revision number
Version number 1

Hazardous substances

Avocado oil (EC: 232-428-0)

2.3. Another danger

not specified

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characteristics

The substance listed below is not dangerous.

The mixture contains these dangerous substances and substances with the highest permissible concentrations in the working atmosphere

Identification numbers	Substance name	Content in % of mixture weight	Classification 67/548/EEC	Classification 1272/2008	Note
CAS: 8024-32-6 EC: 232-428-0	the main component of a substance Avocado oil	100			

Notes The full wording of all standard sentences and instructions is given in section 16.

SECTION 4: First aid instructions 4.1. Description

of first aid In the event of health

problems or in case of doubt, inform the doctor and provide him with the information from this Safety Data Sheet. If unconscious, place the affected person in a stabilized position on his side with the head slightly tilted and ensure the patency of the airways, never induce vomiting. If the affected person vomits on his own, take care not to inhale the vomit. In life-threatening situations, first resuscitate the affected person and provide medical assistance. Respiratory arrest - perform artificial respiration immediately. Cardiac arrest - perform indirect cardiac massage immediately.

When inhaled

not specified

In case of skin

contact, not

specified. In case of

eye contact,

not specified.

Ingestion, not

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

Inhalation Possible

respiratory tract irritation, cough, headache.

In contact with the

skin Not expected.

On contact with the eyes

They are not expected.

Ingestion

Irritation, nausea.

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

SAFETY DATA SHEET

according to European Parliament and Council Regulation
(EC) No. 1907/2006 (REACH) and Commission Regulation (EU) No. 453/2010

Avocado oil

Creation date	January 28, 2014	Revision number	
Date of revision		Version number	1

SECTION 5: Firefighting measures

5.1. Extinguishing

media Suitable

extinguishing foam resistant to alcohol, carbon dioxide, powder, water fragmented stream, water mist

Unsuitable extinguishing

water - full stream **5.2.**

Special hazards arising from the substance or mixture In case of fire, dense, black

smoke is produced, carbon monoxide and carbon dioxide and other toxic gases may be produced. Inhalation of dangerous decomposition (pyrolysis) products can cause serious damage to health.

5.3. Instructions for fire-fighters

Use self-contained breathing apparatus and full body protective suit. Cool closed containers with the mixture near the fire with water. Do not let the contaminated extinguishing agent escape into the sewer, surface and ground water.

SECTION 6: Accidental release measures 6.1. Personal

protection measures, protective equipment and emergency procedures

The substance is non-flammable. Ensure adequate ventilation. Use gloves in case of prolonged contact. Follow the instructions in Sections 7 and 8.

6.2. Environmental protection measures

Avoid soil contamination and release to surface or ground water. Do not allow to enter the drain.

6.3. Methods and material for containment and cleaning up

Cover spill with suitable (non-flammable) absorbent material (sand, diatomaceous earth, earth and other suitable absorbent materials), collect in well-closed containers and dispose of in accordance with Section 13. Dispose of collected material in accordance with local regulations. In case of leakage of large quantities of the mixture, inform the fire brigade and the environmental department of the Municipal Office of the municipality with extended jurisdiction. After removing the mixture, wash the contaminated area with plenty of water or another suitable cleaning agent. Do not use solvents.

6.4. Reference to other sections 7, 8 and 13.

SECTION 7: Handling and storage 7.1.

Precautions for safe handling

Prevent the formation of gases and vapors in flammable or explosive concentrations and concentrations exceeding the highest permissible concentrations (NPK-P) for the working atmosphere. Use the mixture only in places where it does not come into contact with open flames and other sources of ignition. Don't smoke. Protect from direct sunlight. An electrostatic charge may occur during use; only use grounded pipes (hoses) when pumping. It is recommended to use antistatic clothing and shoes. Use non-sparking tools. Do not inhale gases and vapors. Avoid contact with skin and eyes. Use personal protective equipment according to section 8. Observe the applicable health and safety legislation.

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

Store in tightly closed containers in cool, dry and well-ventilated places designated for this purpose.

Do not expose to the sun.

Storage class 12 - Non-flammable liquids in non-flammable packaging **Specific requirements or rules related to the substance/**

mixture Solvent vapors are heavier than air and accumulate mainly near the floor where they can form an explosive mixture with air.

7.3. Specific end/specific end uses

not specified

SECTION 8: Exposure controls/personal protective equipment 8.1. Control

parameters none

SAFETY DATA SHEET

according to the regulation of the European Parliament and the Council
(EC) No. 1907/2006 (REACH) and Commission Regulation (EU) No. 453/2010

Avocado oil

Creation date January 28, 2014
Date of revision

Revision number
Version number 1

Other data on limit values

DNEL: not stated, no risk assessment was performed
PNEC: not specified, no risk assessment was performed

8.2. Limiting exposure

Observe the usual health protection measures at work and especially good ventilation. This can only be achieved by locals exhaust or effective general ventilation. If it is not possible to comply with NPK-P, a suitable one must be used protection of the respiratory system. Do not eat, drink or smoke while working. After work and before a break for food and rest wash hands thoroughly with soap and water.

Eye and face protection

Safety glasses or a face shield (depending on the nature of the work performed).

Skin protection

Hand protection: Protective gloves resistant to the product. Follow the recommendations of the specific glove manufacturer when choosing suitable thickness, material and permeability. Use suitable protective creams for prolonged or repeated contact skin coming into direct contact with the mixture. Follow the manufacturer's other recommendations. Other protection: Protective antistatic clothing made of natural fibers (cotton) or synthetic fibers resistant to elevated temperatures. At skin contamination, wash it thoroughly.

Respiratory protection

Mask with filter against organic vapors event. isolation breathing apparatus when exceeding the NPK-P of toxic substances or in poorly ventilated environment.

Thermal hazard

not specified

Limiting environmental exposure

Observe the usual environmental protection measures, see point 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

appearance

state color	liquid at 20°C
odor	Yellow-green.
odor	Gentle.
threshold pH melting point / freezing	the data is not available
	the data is not available
point initial boiling point and	7-9 °C
boiling point range flash point evaporation rate	the data is not available
flammability	350 °C (DIN 515 84)
(solids, gases) upper/lower	the data is not available
flammability or explosive limits	the data is not available

flammability limits	the data is not available
explosion limits	the data is not available
vapor	the data is not available
pressure vapor	the data is not available
density relative density	the data is not available
solubility	
water solubility fat solubility	Insoluble.
partition coefficient: n-	the data is not available
octanol/water autoignition temperature decomposition	the data is not available
temperature viscosity	the data is not available
explosive properties	the data is not available
oxidizing	70 mPa

properties 9.2. More information

density	0.912-0.923 g/cm3 at 20°C
ignition temperature	the data is not available

SAFETY DATA SHEET

according to European Parliament and Council Regulation
(EC) No. 1907/2006 (REACH) and Commission Regulation (EU) No. 453/2010

Avocado oil

Creation date January 28, 2014
Date of revision

Revision number
Version number 1

SECTION 10: Stability and reactivity

10.1. Reactivity

The substance is non-flammable

10.2. Chemical stability

The mixture is stable under normal conditions.

10.3. Possibility of hazardous reactions Under normal conditions, the mixture is stable.

10.4. Conditions to avoid

Under normal use, the mixture is stable, no decomposition occurs. Protect from flames, sparks, overheating and frost.

10.5. Incompatible materials

Protect from strong acids, bases and oxidizing agents. This will prevent a dangerous exothermic reaction.

10.6. Hazardous decomposition products

They do not arise under normal use. At high temperatures and in case of fire, dangerous products such as carbon monoxide and carbon dioxide, smoke and nitrogen oxides are formed.

SECTION 11: Toxicological information 11.1.

Information on toxicological effects No toxicological data are available for the mixture.

Acute toxicity

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

irritation Based on available data, the criteria for classification are not met.

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

Respiratory sensitization / skin sensitization 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.

Specific target organ toxicity - single exposure Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure Based on available data, the classification criteria are not met.

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

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

The product does not contain substances acting against the active action of microorganisms.

12.2. Persistence and degradability

The mixture is biodegradable.

12.3. Bioaccumulative potential

Not significant.

12.4. Mobility in soil

The product is soluble and mobile in water and soil. In case of rain, possible contamination of watercourses.

12.5. Results of PBT and vPvB assessment

The mixture does not contain substances identified in this way.

12.6. Other adverse effects

not specified

SAFETY DATA SHEET

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

(EU) No. 453/2010 **Avocado oil**

Creation date January 28, 2014
Date of revision

Revision number
Version number 1

SECTION 13: Disposal considerations

Danger of environmental contamination, proceed according to Act No. 185/2001 Coll. on waste, as amended, and according to implementing regulations on waste disposal.

13.1. Waste management methods

Follow the applicable waste disposal regulations. Place the unused product and the contaminated packaging in marked containers for waste collection and hand it over to an authorized person for waste disposal (a specialized company) that is authorized for this activity. Do not pour the unused product down the drain. It must not be disposed of together with municipal waste. Empty packaging can be used for energy in a waste incinerator or stored in a landfill of the appropriate classification. Perfectly cleaned packaging can be sent for recycling.

Legal regulations on waste Act

No. 185/2001 Coll., on waste and Act No. 188/2004 Coll., supplementing Act No. 185/2001 Coll. Act No. 477/2001 Coll., on packaging and on the amendment of certain laws (Act on Packaging), as amended. Decree No. 376/2001 Coll., on the assessment of hazardous waste properties, as amended. Decree No. 381/2001 Coll., (waste catalog) as amended. Decree No. 383/2001 Coll., on the details of waste management, as amended. (Decree No. 41/2005 Coll. (effective from 1.2.2005), No. 294/2005 Coll. (effective from 5 August 2005), No. 353/2005 Coll. (effective date of announcement 15.9.2005), No. 351/2008 Coll. (effective from 1.11.2008), No. 478/2008 Coll. (effective from 1.1.2009), No. 61/2010 Coll. (effective from 1.4.2010), No. 170/2010 Coll. (15/06/2010))

SECTION 14: Information for transport 14.1. UN number not given

14.2. UN proper shipping name not given

14.3. Transport hazard class(es) not specified

14.4 Packaging group not specified

14.5. Danger to the environment

It is not expected to cause long-term adverse effects in the environment.

14.6. Special safety measures for users

Reference in sections 4 to 8.

14.7. Bulk transport according to Annex II of MARPOL 73/78 and the IBC regulation

not specified

Additional information

Do not transport in a vehicle that does not have a separate cargo area from the driver's area. Make sure that the driver of the vehicle is aware of the possible dangers associated with the load and is instructed on what to do in the event of an accident or danger.

SAFETY DATA SHEET

according to the regulation of the European Parliament and the Council
(EC) No. 1907/2006 (REACH) and Commission Regulation (EU) No. 453/2010

Avocado oil

Creation date January 28, 2014
Date of revision

Revision number
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SECTION 15: Regulatory Information

15.1. Safety, health and environmental regulations/substance specific legislation or mixtures

Regulation of the European Parliament and of the Council (EC) No. 1907/2006 of 18 December 2006 on registration, assessment, authorization and restriction of chemical substances, on the establishment of the European Agency for Chemical Substances, on the amendment of the directive 1999/45/EC and on the repeal of Council Regulation (EEC) No. 793/93, Commission Regulation (EC) No. 1488/94, Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended. Regulation of the European Parliament and of the Council (EC) No. 1272/2008 of 16 December 2008 on the classification, labeling and packaging of substances and mixtures, on the amendment and repeal of Directives 67/548/EEC and 1999/45/EC and on the amendment of Regulation (EC) No. 1907/2006 as amended. Directive 67/548/EEC as amended and 1999/45/EC as amended. Act No. 350/2011 Coll., on chemical substances and chemical mixtures and on the amendment of some laws (chemical law). Decree No. 402/2011 Coll., on evaluation hazardous properties of chemical substances and chemical mixtures and packaging and labeling of hazardous chemicals mixture. Government Regulation No. 361/2007 Coll., which establishes the conditions for health protection at work as amended. Law No. 372/2011 Coll., on health services and conditions for their provision (Act on Health Services). Law no. 258/2000 Coll., on the protection of public health as amended. Decree No. 415/2012 Coll., on the permissible level pollution and its detection and the implementation of some other provisions of the Air Protection Act. Decree no. 246/2001 Coll., on fire prevention. Act No. 185/2001 Coll., on waste and its implementing regulations as amended. Act No. 201/2012 Coll., on air protection. Government Regulation No. 315/2009 amending Government Regulation No. 194/2001 Coll., establishing technical requirements for aerosol sprayers, as amended by Government Regulation No. 305/2006 Coll. Decree 432/2003 Coll., which sets the conditions for classifying works into categories, limit values of indicators of biological exposure tests, conditions for taking biological material for conducting biological exposure tests and requirements for reporting work with asbestos and biological agents.

15.2. Chemical safety assessment

not specified

16. SECTION 16: Further information

Additional information important from the point of view of safety and protection of human health

The product may not - without the special consent of the manufacturer/importer - be used for a purpose other than that specified in section 1.
The user is responsible for compliance with all related health regulations.

Legend to abbreviations and acronyms used in the safety data sheet

CAS	A unique numerical identifier used in chemistry for chemical substances
CLP	Classification, labeling and packaging
ýSN	Czech technical standard
EC50	The concentration of a substance at which 50% of the population is affected
EINECS	European list of existing traded chemical substances
EmS	Contingency plan
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Goods in Bulk chemicals
IC50	Concentration causing 50% blockade
ICAO	International Civil Aviation Organization
IMDG	International maritime transport of dangerous goods
LC50	Lethal concentration of a substance at which 50% of the population can be expected to die
LD50	Lethal dose of a substance that can be expected to cause the death of 50% of the population
MARPOL	International Convention for the Prevention of Pollution from Ships
MFAG	First aid manual
NPK	The highest permissible concentration
PBT	Persistent, bioaccumulative and toxic
PEL	Permissible exposure limit
REACH	Registration, evaluation and restriction of chemical substances (regulations of the EP and the Council (EC) No. 1907/2006)
vPvB	Highly persistent and highly bioaccumulative

Training Guidelines

Familiarize workers with the recommended method of use, mandatory protective equipment, first aid and prohibited manipulations with the mixture.

Recommended use restrictions