

SAFETY DATA SHEET



according to Regulation (EC) No. 1907/2006 of the European Parliament and of the Council (REACH),
as amended

Silk (tussah silk)

Creation date 08 February 2021

Date of revision

Version number

1.0

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

Product identifier 1.1 Substance / mixture Other substance names		Silk (tussah silk) substance
Relevant identified		CAS 96690-41-4Silk Amino Acids
1.2	uses of the substance or mixture and uses advised against	
	Intended use of the substance	Use in the cosmetic industry.
	Unrecommended use of the substance	The product must not be used in ways other than what they are listed in section 1.
Chemical Safety Report		
1.3	Details of the supplier of the safety data sheet	
	Distributor	
	Name or business name	Ekokoza s.r.o
	Address	Fryčovice 297, Fryčovice 73945 Czech Republic
	Identification number (IĽO)	07508247
	Phone	605779993
	E-mail	obchod@ekokoza.cz
	Website address	www.ekokoza.cz
	Importer	
	Name or business name	Ekokoza s.r.o
	Address	Fryčovice 297, Fryčovice 73945 Czech Republic
	Identification number (IĽO)	07508247
	Phone	605779993
	E-mail	obchod@ekokoza.cz
	Website address	www.ekokoza.cz
	E-mail address of the professionally qualified person responsible for the safety data sheet	
	Name	Ekokoza s.r.o
	E-mail	obchod@ekokoza.cz
1.4	Telephone number for emergencies	
	Toxicology Information Center, 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: Hazards identification

2.1	Classification of the substance or mixture	
	Classification of the substance according to Regulation (EC) No. 1272/2008	
	The substance is not classified as dangerous according to Regulation (EC) No. 1272/2008.	
	The full text of all classifications and H-phrases is given in section 16.	
2.2	Marking elements	
	none	
2.3	Another danger	
	The substance does not meet the criteria for PBT or vPvB substances in accordance with Annex XIII, Regulation (EC) No. 1907/2006 (REACH), in force wording.	

SECTION 3: Composition/information on ingredients

3.1	Substances	
	Chemical characteristics	
	The substance below.	
	none	

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SECTION 4: First aid measures

4.1 Description of first aid

Take care of your own safety. In case of health problems or in case of doubt, inform the doctor and provide him information from this safety data sheet.

When inhaled

Stop the exposure immediately, move the victim to fresh air.

In contact with skin

Put away the stained clothing.

On contact with the eyes

Immediately flush the eyes with a stream of running water, open the eyelids (perhaps by force); if the affected person wears contact lenses, remove them immediately.

When ingested

Rinse your mouth with clean water. In case of difficulties, consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

When inhaled

They are not expected.

In contact with skin

They are not expected.

On contact with the eyes

They are not expected.

When ingested

They are not expected.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Fire extinguishers

Suitable extinguishing agents

Match the fire extinguishers to the surroundings of the fire.

Unsuitable fire extinguishers

not specified

5.2 Special hazards arising from the substance or mixture

In case of fire, carbon monoxide and carbon dioxide and other toxic gases may be produced. Inhalation hazardous decomposition (pyrolysis) products can cause serious damage to health.

5.3 Instructions for firefighters

Self-contained breathing apparatus and chemical resistant gloves. Use a self-contained breathing apparatus and a full-body respirator protective suit.

SECTION 6: Accidental release measures

6.1 Personal protection measures, protective equipment and emergency procedures

Follow the instructions in Sections 7 and 8.

6.2 Environmental protection measures

Avoid soil contamination and release to surface or ground water.

6.3 Methods and material for containment and cleaning up

Collect the product mechanically in a suitable way. Dispose of the collected material according to the instructions in section 13.

6.4 Reference to Other Sections

See section 7, 8 and 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use personal protective equipment according to section 8. Observe applicable safety and security legislation health.

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.

7.3 Specific end/specific end uses

not specified

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

none

8.2 Limiting Exposure

Do not eat, drink or smoke while working. Wash your hands thoroughly with soap and water after work and before breaks for meals and rest.

Eye and face protection

It is not necessary.

Skin protection

Use protective gloves for prolonged or repeated contact.

Respiratory protection

It is not necessary.

Thermal hazard

Not listed.

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

odor

odor threshold pH melting

point / freezing point initial

boiling point and boiling point range flash point

evaporation

rate flammability

(solids, gases) upper/lower

flammability or explosive limits

flammability limits

explosion limits

vapor

pressure vapor

density relative density

solubility

water solubility fat solubility

partition coefficient: n-

octanol/water autoignition temperature decomposition

temperature viscosity

silk fibers

solid at 20°C

white yellow, cream

neutral

the data is not available

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9.2 More information

density

the data is not available

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ignition temperature

number is not available

SECTION 10: Stability and reactivity

10.1 Reactivity

The substance is non-flammable.

10.2 Chemical stability

The product is stable under normal conditions.

10.3 Possibility of hazardous reactions

They are not known.

10.4 Conditions to Avoid

Under normal use, the product is stable, does not decompose. Protect from flames, sparks, overheating and from cold.

10.5 Incompatible materials Protect from strong acids, bases and oxidizing agents.

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 are formed.

SECTION 11: Toxicological information 11.1

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

Acute toxicity

Based on the 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

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Acute toxicity Based

on available data, the classification criteria are not met.

12.2 Persistence and degradability Data not

available.

12.3 Bioaccumulative potential Not stated.

12.4 Mobility in soil

Not listed.

12.5 Results of PBT and vPvB assessment

The product does not contain substances meeting the criteria for PBT or vPvB substances in accordance with Annex XIII, Regulation (EC) no. 1907/2006 (REACH), as amended.

12.6 Other Adverse Effects

Not listed.

SECTION 13: Disposal instructions 13.1 Waste

management methods Risk of environmental

contamination, proceed according to Act No. 185/2001 Coll. on waste, as amended, and according to implementing regulations on waste disposal. 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, as amended. Decree No. 383/2001 Coll., on the details of waste management, as amended. Decree No. 93/2016 Coll., (waste catalog), as amended. Decree No. 94/2016 Coll., on the assessment of hazardous waste properties, as amended.

SECTION 14: Transport information 14.1 UN number

Not subject to ADR regulations.

14.2 Official (UN) shipping name not given

14.3 Transport hazard class(es).

not specified

14.4 Packaging group not specified

14.5 Environmental hazard not specified

14.6 Special precautions for user Reference in sections 4 to 8.

14.7 Bulk transport according to Annex II of the MARPOL Convention and the IBC Regulation

not specified

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SECTION 15: Regulatory Information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 on the registration, assessment, authorization and restriction of chemical substances, on the establishment of the European Agency for Chemical Substances, on the amendment of 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 Directive 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 amending Regulation (EC) No. 1907/2006, as amended. Act No. 350/2011 Coll., on Chemical Substances and Chemical Mixtures and to change some laws (chemical law). Act No. 258/2000 Coll., on the protection of public health, as amended. Ordinance of the Government No. 361/2007 Coll., which establishes the conditions of health protection at work, as amended. Decree No. 415/2012 Coll., on the permissible level of pollution and its detection and the implementation of some other provisions of the Act on Air Protection, in valid wording. Act No. 185/2001 Coll., on waste and its implementing regulations, as amended. Act No. 201/2012 Coll., on air protection, as amended. Decree No. 432/2003 Coll., which establishes the conditions for classifying works into categories, limit values of indicators of biological exposure tests, conditions for sampling biological material for carrying out biological tests of exposure tests and requirements for reporting work with asbestos and biological agents, as amended.

15.2 Chemical safety assessment

not specified

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. User is responsible for compliance with all relevant health regulations.

Legend to abbreviations and acronyms used in the safety data sheet

ADR	European agreement on the international transport of dangerous goods by road
BCF	Bioconcentration factor
TIME	Chemical Abstracts Service
CLP	Regulation (EC) No. 1272/2008 on classification, labeling and packaging of substances and mixtures
TODAY	The derived level at which no adverse effects occur
EC ₅₀	The concentration of a substance at which 50% of the population is affected
EINECS	European list of existing traded chemical substances
EmS	Contingency plan
EC	The EC number is the numerical identifier of substances on the EC list
EU	European Union
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships Carrying Hazardous Chemicals in Bulk
IC ₅₀	Concentration causing 50% blockade
ICAO	International Civil Aviation Organization
IMDG	International maritime transport of dangerous goods
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 that can be expected to cause the death of 50% of the population
LD ₅₀	Lethal dose of a substance that can be expected to cause the death of 50% of the population
LOAEC	The lowest concentration with an observed adverse effect
LOAEL	The lowest dose with an observed adverse effect
log K _{ow}	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution from Ships
NOAEC	Concentration with no observed adverse effect
NOAEL	No-observed-adverse-effect dose value
NOEC	Concentration without observed effects
CHRISTMAS	No-observed-effect dose value
NPK	The highest permissible concentration
OEL	Exposure limits in the workplace
PBT	Persistent, bioaccumulative and toxic
PEL	Permissible exposure limit
PNEC	An estimate of the concentration at which no adverse effects occur
ppm	Number of particles per million (millionth)

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REACH	Registration, evaluation, authorization and restriction of chemical substances
RID	Agreement on the carriage of dangerous goods by rail
UN	The four-digit identification number of the substance or article taken from the UN Model Regulations
UVCB	Substance of unknown or variable composition, complex reaction product, or biological material
VOCs	Volatile organic compounds
vPvB	Highly persistent and highly bioaccumulative

Training Guidelines

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

Recommended use restrictions

not specified

Information on data sources used in compiling the safety data sheet

Regulation of the European Parliament and of the Council (EC) No. 1907/2006 (REACH), as amended. Regulation of the European Parliament and of the Council (EC) No. 1272/2008, as amended. Act No. 350/2011 Coll., on chemical substances and chemical mixtures, in force wording. Principles for providing first aid in case of exposure to chemical substances (Doc. Daniela Pelclová, M.D., CSc., M.D. Alexandr Fuchs, CSc., MUDr. Miroslava Hornychová, CSc., MUDr. Zdeňka Trávníčková, CSc., Jiřina Fridrichovská, prom. chem.). Data from the manufacturer of the substance/mixture, if available - data from the registration documentation.

Additional information

Classification procedure - calculation method.

Declaration

The safety data sheet contains information to ensure safety and health protection at work and environmental protection. Listed the data correspond to the current state of knowledge and experience and are in accordance with applicable legal regulations. They can't be considered as a guarantee of suitability and usability of the product for a specific application.