

SAFETY DATA SHEET



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

Polysorbate 80

Creation date	May 23, 2019	Version number	2.0
Date of revision	May 23, 2019		

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

Product identifier 1.1

Polysorbate 80

Substance / mixture

substance

Chemical name

Polysorbate 80

CAS

9005-65-6

number Other names

Surfactant

1.2 of the substance Relevant designated uses of the substance or mixture and uses advised against

Intended use of the substance Cosmetic raw material.

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

Supplier

Name or business name

Ekokoza sro

Address

Fryčovice 297, Fryčovice, 73945

Identification number (IČO)

Czech Republic

Telephone

07508247

Email

605779993

Website address

obchod@ekokoza.cz

www.ekokoza.cz

Distributor

Name or business name

Ekokoza sro

Address

Fryčovice 297, Fryčovice, 73945

Identification number (IČO)

Czech Republic

Telephone

07508247

Email

605779993

Website address

obchod@ekokoza.cz

www.ekokoza.cz

Importer

Name or business name

Ekokoza sro

Address

Fryčovice 297, Fryčovice, 73945

Identification number (IČO)

Czech Republic

Telephone

07508247

Email

605779993

Website address

obchod@ekokoza.cz

www.ekokoza.cz

E-mail address of the professionally qualified person responsible for the safety data sheet

Name

Ekokoza sro

Email

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.

The most serious adverse effects on human health and the environment

Causes serious eye damage. It irritates the skin. Harmful to aquatic organisms, with long-term effects.

2.2 Marking elements

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none

- 2.3 Other hazards** The substance does not meet the criteria for PBT or vPvB substances in accordance with Annex XIII, Regulation (EC) No. 1907/2006 (REACH), as amended.

SECTION 3: Composition/information on ingredients

- 3.1 Substances**
Chemical characteristics
The substance below.

Identification numbers	Substance name	Content in % by weight	Classification according to Regulation (EC) No. 1272/2008	Note
CAS: 9005-65-6	the main component of a substance Polysorbate 80			

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

SECTION 4: First aid instructions 4.1

Description of first aid Take care of

your own safety. 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 stable position on their 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.

In case of

inhalation Stop exposure immediately, move victim to fresh air. Protect the victim from catching cold. Get medical attention if irritation, shortness of breath, or other symptoms persist.

In case of skin

contact Remove contaminated clothing. Wash the affected area with plenty of lukewarm water if possible. If the skin has not been injured, it is also advisable to use soap, soap solution or shampoo. Get medical treatment if skin irritation persists.

In case of contact

with the eyes, immediately flush the eyes with a stream of running water, open the eyelids (perhaps by force); if the victim wears contact lenses, remove them immediately. Do not neutralize under any circumstances! Rinse for 10-30 minutes from the inner corner to the outer corner so that the other eye is not affected. Depending on the situation, call emergency services or get medical treatment as soon as possible. Everyone must be sent for examination, even in the case of a small injury.

DO NOT

INDUCE VOMITING if **swallowed** ! Rinse the oral cavity with water and drink 2-5 dl of water. Get medical treatment for a person who has health problems.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation

Inhalation of vapors may cause burns to the respiratory tract.

In contact with skin

Irritating to skin.

Eye contact

Causes serious eye damage.

Ingestion

May cause burns to the digestive tract.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

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SECTION 5: Firefighting measures

5.1 Liability

Suitable extinguishing agents

Foam resistant to alcohol, carbon dioxide, powder, water jet, water mist.

Unsuitable fire extinguishers

Water - full flow.

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 protective suit, only if personal (close) contact with the chemical is likely fabric. Use self-contained breathing apparatus and a full-body protective suit. Do not let contaminated extinguishing agent escape into sewage, surface and groundwater.

SECTION 6: Accidental release measures

6.1 Personal protection measures, protective equipment and emergency procedures

Use personal protective work equipment. Follow the instructions contained in sections 7 and 8. Avoid contact with skin and eyes.

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

Cover the spilled product with a suitable (non-flammable) absorbent material (sand, diatomaceous earth, earth and other suitable absorbent materials), collect in well-closed containers and dispose of according to section 13. In case of spillage of large quantities of product inform the fire department and other competent authorities. After removing the product, wash the contaminated area with plenty of water. Do not use solvents.

6.4 Reference to Other Sections

See section 7, 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Wash hands and affected body parts thoroughly after handling. Use personal protective work equipment according to section 8. Pay attention to the applicable legal regulations on safety and health protection. Prevent release into the environment.

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

Observe the usual health protection measures at work and especially good ventilation. This can only be achieved by locals exhaust or effective general ventilation. Do not eat, drink or smoke while working. After work and before a meal break a wash your 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 a suitable one thickness, material and permeability. Follow the manufacturer's other recommendations. Other protection: Protective work clothing. When polluted wash your skin thoroughly.

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Respiratory protection

A mask with a filter in a poorly ventilated environment.

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

liquid appearance

state color

liquid at 20°C

yellow

odor

odorless

odor threshold pH melting

the data is not available

the data is not available

point / freezing point initial

the data is not available

boiling point and boiling point range flash point

the data is not available

evaporation

> 100 °C

rate flammability

the data is not available

(solids, gases) upper/lower

the data is not available

flammability or explosive limits

flammability limits

the data is not available

explosion limits

the data is not available

vapor

the data is not available

pressure vapor

Capable of dispersion

density relative density

the data is not available

solubility

water solubility fat

the data is not available

solubility partition

the data is not available

coefficient: n-octanol/water autoignition

the data is not available

temperature

the data is not available

decomposition

the data is not available

temperature viscosity

the data is not available

explosive properties

the data is not available

oxidizing properties

the data is not available

9.2 More information

density

~ 1.10 g/cm³ at 20 °C

ignition temperature

the data is not available

SECTION 10: Stability and reactivity

10.1 Reactive

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 oxide are formed carbon dioxide and carbon dioxide.

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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.

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Exposure route	Parameter	Value	Exposure time	Species	Sex
Orally	LD ₅₀	>38900 mg/kg		Rat	

Skin corrosion/irritation

It irritates the skin.

Serious eye damage / eye irritation

Causes serious eye damage.

Respiratory sensitization / skin sensitization

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

Germ cell mutagenicity

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

Carcinogenic

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

Reproductive toxicity

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

Specific target organ toxicity - single exposure

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

Specific target organ toxicity - repeated exposure

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

Inhalation hazard

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

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Harmful to aquatic organisms, with long-term effects.

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Parameter	Value	Exposure time	Kind of	Environment
LC ₅₀	471 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
LC ₅₀	165 mg/l	96 hours	Bacteria (Salmonella typhimurium)	

12.2 Persistence and Deployability

The data is not available.

12.3 Bioaccumulative potential

Not listed.

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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 specified.

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

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, evaluation, authorization and restriction of chemical substances, on the establishment of the European Chemicals Agency, on the amendment of Directive 1999/45/EC and on the repeal of the 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 the Regulation (EC) No. 1907/2006, as amended. Act No. 350/2011 Coll., on Chemical Substances and Chemical Mixtures and on Amendments to Certain Acts (Chemical Act). Act No. 258/2000 Coll., on the protection of public health, as amended. Government Regulation No. 361/2007 Coll., which establishes the conditions for health protection at work, as amended. Decree No. 415/2012 Coll., on the permissible level of pollution and its determination and on the implementation of some other provisions of the Air Protection Act, as amended. 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 work into categories, the limit values of indicators of biological exposure tests, the conditions for the collection of biological material for the performance of biological exposure tests and the requirements for reporting work with asbestos and biological agents, as amended.

15.2 Chemical safety assessment

not given

SECTION 16: Further information

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

The product must 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
CAS	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
IS	The EC number is a numerical identifier of substances on the EC list
EU	European Union
IT IS	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
PEARL	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
LOEL	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
NOAH	Concentration with no observed adverse effect
NOAEL	No-observed-adverse-effect dose value
NOEC	Concentration without observed effects
NOEL	No-observed-effect dose value
NPK	The highest permissible concentration
OIL	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)
REACH	Registration, evaluation, authorization and restriction of chemical substances
RID	Agreement on the carriage of dangerous goods by rail
AND	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
VOC	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 a 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.

More information

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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 not be considered as a guarantee of suitability and usability of the product for a specific application.

