

FRAGRANCE ALLERGEN DECLARATION

PEG40 HYDROGENATED CASTOR OIL

CAS NUMBER

61788-85-0

EC NUMBER

500-147-5

FEMA NUMBER

N/A

CHEMICAL NAME

POLYOXYETHYLENE (10) HYDROGENATED CASTOR OIL

We hereby confirm that the above material does not contain the following allergens:

alpha-Amyl Cinnamic Aldehyde (122-40-7)
alpha-Amyl Cinnamic Alcohol (101-85-9)
Anisyl Alcohol (105-13-5)
Benzyl Alcohol (100-51-6)
Benzyl Benzoate (120-51-4)
Benzyl Cinnamate (103-41-3)
Benzyl Salicylate (118-58-1)
Cinnamic Alcohol (104-54-1)
Cinnamic Aldehyde (104-55-2)
Citral (mixture of neral + geranial) (5392-40-5)
Citronellol (106-22-9)
Coumarin (91-64-5)
Eugenol (97-53-0)
Farnesol (4602-84-0)
gamma-Methyl Ionone (127-51-5)
Geraniol (106-24-1)
Hexyl Cinnamic Aldehyde (101-86-0)
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde (31906-04-4)
Hydroxycitronellal (107-75-5)
Iso Eugenol (97-54-1)
Butylphenyl Methylpropional (80-54-6)
Limonene (5989-27-5)/(138-86-3)/(5989-54-8)
Linalool (78-70-6)
Methyl Heptine Carbonate (111-12-6)
Oakmoss (68917-10-2/90028-68-5)
Treemoss (68648-41-9 90028-67-4)

OCTOBER 2020

FLOW CHART

PEG 40 HYDROGENATED CASTOR OILS

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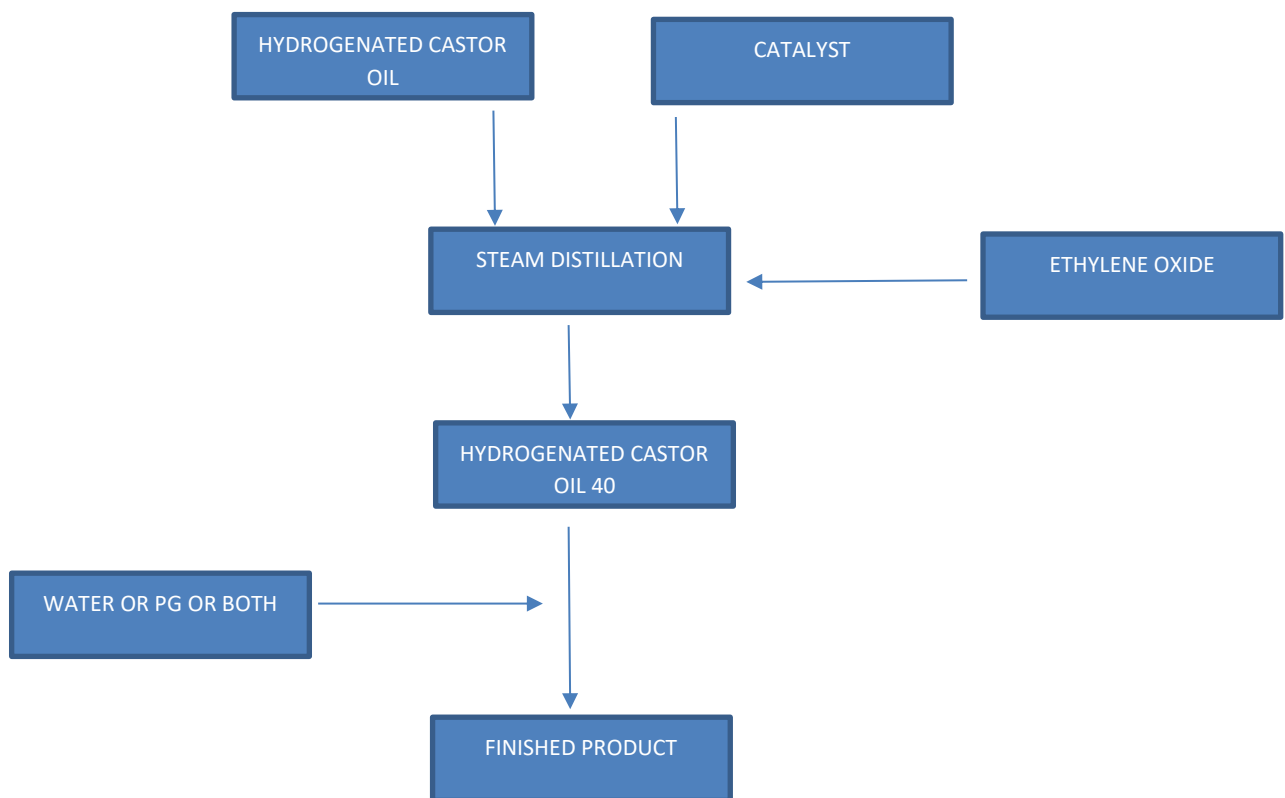
500-147-5

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AUGUST 2022

GMO STATEMENT

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We hereby confirm that, to the best of our knowledge, no Genetically Modified Organisms (GMO's) are used in the Production of the above material.

OCTOBER 2020

IFRA DECLARATION

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We hereby declare that we have received confirmation from the manufacturer for the above material supplied to state that it conforms the following requirements:

- The product is manufactured as per IFRA code of practices.
- The product is neither restricted nor prohibited by IFRA for use in Fragrances.
- The product conforms to IFRA 50th amendment.

MAY 2022

SAFETY DATA SHEET

PEG-40 HYDROGENATED CASTOR OIL

This SDS is not mandated under REACH Regulation (EC) No 1907/2006 and is provided for information only.

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

1.1. Product identifier

Product name PEG-40 HYDROGENATED CASTOR OIL

Synonyms; trade names PEG-40 HYDROGENATED CASTOR OIL

REACH registration notes This product is a polymer. We have received confirmation from the supplier to state that the monomers are in accordance with the REACH legislation

CAS number 61788-85-0

EC number 500-147-5

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Use in personal care products

1.3. Details of the supplier of the safety data sheet

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

1.4. Emergency telephone number

Emergency telephone Nouzové telefonní číslo: +420224919293 , +420224915402 (telefon 24hod/
denně) Toxikologické informační středisko, Na Bojišti 1, 128 08 Praha2)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

PEG-40 HYDROGENATED CASTOR OIL**Classification (EC 1272/2008)**

Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Not Classified

2.2. Label elements

EC number	500-147-5
Hazard statements	NC Not Classified

2.3. Other hazards**SECTION 3: Composition/information on ingredients****3.1. Substances**

CASTOR OIL, HYDROGENATED, ETHOXYLATED	>=98.0% W/W - <=100% W/W
CAS number: 61788-85-0	EC number: 500-147-5
Classification Not Classified	

The full text for all hazard statements is displayed in Section 16.

Product name	LANCOS EM-40 HCO
REACH registration notes	This product is a polymer. We have received confirmation from the supplier to state that the monomers are in accordance with the REACH legislation
CAS number	61788-85-0
EC number	500-147-5

SECTION 4: First aid measures**4.1. Description of first aid measures**

General information	No information available.
Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Rinse nose, mouth and throat with water. Get medical attention if any discomfort continues.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing. Remove contaminated clothing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.
Protection of first aiders	No information available.

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

General information	No information available.
Inhalation	No information available.
Ingestion	No information available.
Skin contact	No information available.
Eye contact	No information available.

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

Notes for the doctor	Treat symptomatically.
Specific treatments	No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water spray, foam, dry powder or carbon dioxide.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Fire creates: Oxides of the following substances: Carbon. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.
Hazardous combustion products	No information available.

5.3. Advice for firefighters

Protective actions during firefighting	Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Control run-off water by containing and keeping it out of sewers and watercourses. Do not use a solid water stream as it may scatter and spread fire.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Do not breathe vapour.
For non-emergency personnel	No information available.
For emergency responders	No information available.

6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Absorb spillage with sand or other inert absorbent. Sweep up and removed to an approved disposal container. Hold for waste disposal For waste disposal, see Section 13. Ventilate area and wash spill site after material pickup is complete. Flush contaminated area with plenty of water. Take care as floors and other surfaces may become slippery.
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6.4. Reference to other sections

Reference to other sections	See Section 7 for information on safe handling. Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Do not eat, drink or smoke when using the product.
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PEG-40 HYDROGENATED CASTOR OIL

Advice on general occupational hygiene

Avoid contact with eyes and skin. Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene procedures should be implemented. Wash promptly with soap and water if skin becomes contaminated. Wash skin thoroughly after handling. Take off immediately all contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame.

Storage class No information available.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description No information available.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

No information available.

Ingredient comments No exposure limits known for ingredient(s).

Biological limit values No information available.

DNEL Workers - Dermal; Long term systemic effects: 16.6 mg/kg/day
General population - Dermal; Long term systemic effects: 8.3 mg/kg/day

DMEL No information available.

PNEC Fresh water; 1 µg/L
marine water; 0.1 µg/L
Sediment (Freshwater); 100 mg/kg
Sediment (Marinewater); 10 mg/kg
Soil; 20 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Emergency shower and eye wash facilities should be readily available Provide adequate ventilation.

Personal protection

No information available.

Eye/face protection

The following protection should be worn: Chemical splash goggles. Safety glasses with side shields conforming to EN166

Hand protection

Use protective gloves. The gloves must satisfy the specifications of EU directive 89/686/EEC and the standard EN 374 derived from it. For prolonged or repeated exposure the following gloves are recommended: It is recommended that gloves are made of the following material: Butyl rubber. protection index :6 breakthrough time >480 minutes. glove thickness >0.7mm For short exposure the following gloves are recommended: It is recommended that gloves are made of the following material: Nitrile rubber. protection index 2: breakthrough time >30 minutes. minimum thickness 0.4mm

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Other skin and body protection	Provide eyewash station and safety shower. Chemical resistant boots should comply with European standard EN345. Body protection must be chosen depending on activity and possible exposure, eg. apron, protecting boots, chemical-protection suit (according to DIN-EN 465).
Hygiene measures	Wash promptly if skin becomes contaminated. Avoid contact with skin, eyes and clothing. Wash promptly with soap and water if skin becomes contaminated. Wash skin thoroughly after handling. Good personal hygiene procedures should be implemented. Take off immediately all contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product.
Respiratory protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi purpose combination or type ABEK (EN 14387). If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH or CEN.
Thermal hazards	No information available.
Environmental exposure controls	No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Paste.
Colour	Beige.
Odour	Mild (or faint).
Odour threshold	Not available. Not available.
pH	pH (diluted solution): 6-7 100 g/l (20 deg C)
Melting point	20-28 deg C DIN/ISO 3016°C
Initial boiling point and range	>200 deg C°C @
Flash point	242 deg C°C OC (Open cup). DIN 2592
Evaporation rate	Not available.
Evaporation factor	Not available.
Flammability (solid, gas)	No specific test data are available.
Upper/lower flammability or explosive limits	Not available.
Other flammability	No specific test data are available.
Vapour pressure	No specific test data are available.
Vapour density	No specific test data are available.
Relative density	1.03 @ 60 deg C°C
Bulk density	Not available.
Solubility(ies)	490 g/l at 23 deg C @ °C Soluble in water.
Partition coefficient	No specific test data are available.
Auto-ignition temperature	375°C

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Decomposition Temperature No specific test data are available.

Viscosity Not available.

Explosive properties Not available.

Explosive under the influence of a flame No information available.

Oxidising properties Not relevant.

Comments No information available.

9.2. Other information

Other information Not available.

Refractive index No information available.

Particle size No information available.

Molecular weight No information available.

Volatility No information available.

Saturation concentration No information available.

Critical temperature No information available.

Volatile organic compound No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Stable under the prescribed storage conditions. Dust may form explosive mixture with air.

10.4. Conditions to avoid

Conditions to avoid No information available.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No information available.

Other health effects No information available.

Acute toxicity - oral

PEG-40 HYDROGENATED CASTOR OIL

Acute toxicity oral (LD₅₀ mg/kg)	2,000.0
Species	Rat
Notes (oral LD₅₀)	LD ₅₀ >2000 mg/kg, Oral, Rat Klimisch rating 1 2017 2018 OECD 420 EU Method B.1
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	No information available.
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	Not available.
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Not corrosive to skin. Not irritating.
Animal data	Dose: 0.05ml, 3 and 60 minutes, Human Not corrosive to skin. Klimisch rating 1 2017 OECD 431 Dose: 10mg, 15 minutes, Human Not irritating. Klimisch rating 1 2017 OECD 439
Human skin model test	No information available.
Extreme pH	No information available.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Dose: 50 uL, 30 minutes, Human Not irritating. klimisch rating 1 2017 OECD 492 Dose: 0.75ml, 10 minutes, Cattle Not irritating. Klimisch rating 1 2017 OECD437 EU method B.47
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	No information available.
<u>Skin sensitisation</u>	
Skin sensitisation	No information available.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Bacterial reverse mutation test: Negative. Klimisch rating 1 2017 OECD 471 EU method B.13/14 In vitro mammalian chromosome aberration test.: Negative. Klimisch rating 1 2017 OECD 473 In vitro mammalian cell gene mutation tests using the thymidine kinase gene: Negative. Klimisch rating 1 2017 OECD 490 EU Method B.17
Genotoxicity - in vivo	Not available.
<u>Carcinogenicity</u>	
Carcinogenicity	Not available.
Target organ for carcinogenicity	No information available.
IARC carcinogenicity	No information available.
NTP carcinogenicity	No information available.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Screening - NOAEL 1000 mg/kg/day, Oral, Rat P0 Screening - NOAEL 1000 mg/kg/day, Oral, Rat F1 Klimisch rating 1 2018 OECD 422
Reproductive toxicity - development	Not available.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Not available.
Target organs	No information available.

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Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 1000 mg/kg/day, Oral, Rat Klimisch rating 1 2018 OECD 422

Target organs No information available.

Aspiration hazard

Aspiration hazard No information available.

Toxicokinetics No information available.

General information No information available.

Inhalation No information available.

Ingestion No information available.

Skin contact No information available.

Eye contact No information available.

Acute and chronic health hazards No information available.

Route of exposure No information available.

Target organs No information available.

Medical symptoms No information available.

Medical considerations No information available.

SECTION 12: Ecological information

Ecotoxicity No information available.

12.1. Toxicity

Toxicity No information available.

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 196 mg/l, Brachydanio rerio (Zebra Fish)
OECD 203
LC₅₀, 96 hours: >1 mg/l, Oncorhynchus mykiss (Rainbow trout)
Klimisch rating 2
2018
OECD 203

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: >1 mg/l, Daphnia magna
Klimisch rating 1
2018
OECD 202

Acute toxicity - aquatic plants EC₅₀, 72 hours: >1 mg/l, Pseudokirchneriella subcapitata
NOELR, 72 hours: 0.25-0.5 mg/l, Pseudokirchneriella subcapitata
Klimisch rating 1
2018
OECD 201

Acute toxicity - microorganisms EC₅₀, >: > 1000 mg/l, Activated sludge
DIN 38412

Acute toxicity - terrestrial No information available.

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Chronic aquatic toxicity

Chronic toxicity - fish early life stage No information available.

Short term toxicity - embryo and sac fry stages No information available.

Chronic toxicity - aquatic invertebrates No information available.

Toxicity to soil No information available.

Toxicity to terrestrial plants No information available.

12.2. Persistence and degradability

Persistence and degradability No information available.

Phototransformation No information available.

Stability (hydrolysis) No information available.

Biodegradation Water - Degradation (%) 70: OECD302B
Water - Degradation (%) 84: 28 days OECD 301A
Water - Degradation 15%: 5 days
Water - Degradation 55%: 28 days
Water - Degradation 64%: 42 days
Inherently biodegradable.
Klimisch rating 1
2017
OECD 301F
EU Method C.4-D

Biological oxygen demand No information available.

Chemical oxygen demand 2,171mg/g

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No specific test data are available.

12.4. Mobility in soil

Mobility not available

Adsorption/desorption coefficient QSAR Pasty wax - Log Koc: 12 @ °C klimisch rating 2 2018

Henry's law constant No information available.

Surface tension No information available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment no data available

12.6. Other adverse effects

Other adverse effects Not available.

SECTION 13: Disposal considerations

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13.1. Waste treatment methods

General information	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Empty containers should be taken to an approved waste handling site or recycling or disposal.
Waste class	No information available.

SECTION 14: Transport information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations	No information available.
EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Guidance	No information available.
Health and environmental listings	No information available.
Authorisations (Annex XIV Regulation 1907/2006)	No information available.

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Restrictions (Annex XVII Regulation 1907/2006) No information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

No information available.

Canada - DSL/NDSL

No information available.

US - TSCA

No information available.

US - TSCA 12(b) Export Notification

No information available.

Australia - AICS

No information available.

Japan - ENCS

No information available.

Korea - KECI

No information available.

China - IECSC

No information available.

Philippines – PICCS

No information available.

New Zealand - NZIOC

No information available.

Taiwan - TCSI

No information available.

South Korea

SECTION 16: Other information

PEG-40 HYDROGENATED CASTOR OIL**Abbreviations and acronyms
used in the safety data sheet**

C&L: Classification and Labelling
CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CAS# / CAS NO. CAS-numero (eräs kemikaalien tunnistenumero)
DNEL: Derived No Effect Level
DPD: Dangerous Preparations Directive 1999/45/EC
EC NO.: EINECS and ELINCS Number (see also EINECS and ELINCS)
EINECS: European Inventory of Existing Commercial Substances
GHS: Globally Harmonized System
LC50: Lethal Concentration to 50 % of a test population
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose)
kow: octanol-water partition coefficient
SDS: Safety Data Sheet
OECD: Organization for Economic Co-operation and Development
PBT: Persistent, Bioaccumulative and Toxic substance
PNEC: Predicted No Effect Concentration(s)
PPE: Personal Protection Equipment
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SIEF: Substance Information Exchange Forum
STOT: Specific Target Organ Toxicity
STOT (RE): Repeated Exposure
STOT (SE): Single Exposure
vPvB: Very Persistent and Very Bioaccumulative

General information

No information available.

**Key literature references and
sources for data**

Material Safety Data Sheet, Misc. manufacturers. Source: European Chemicals Agency, <http://echa.europa.eu/>

**Classification procedures
according to Regulation (EC)
1272/2008**

No information available.

Training advice

No information available.

Revision comments

Revision due to amendment of contents in section: 1, 5, 6, 7, 8, 11, 12, 13,

Revision date

03/04/2020

Revision

001

Supersedes date

01/12/2014

SDS number

11716

PRODUCT SPECIFICATION

PEG-40 HYDROGENATED CASTOR OIL

CAS No: 61788-85-0

EC No: 500-147-5

Rev: 03

Date: 10.05.2022

INCI name: PEG-40 HYDROGENATED CASTOR OIL

CHARACTERISTIC	SPECIFICATION
APPEARANCE	LIQUID TO SEMI SOLID
COLOUR	OFF-WHITE TO YELLOW
HEAVY METALS	10 PPM MAX
PH (1% AQUEOUS)	6 - 7
SAP VALUE, MG KOH/G	45 - 69
ACID VALUE, MG KOH/G	MAX 2.
1,4 DIOXANE, PPM	<10
FLASH POINT	242°C

APPLICATIONS:

Peg-40 is a multi-functional agent that can be used as an emulsifier, surfactant, and solubilizer of extracts, perfumes and vitamins.

STORAGE:

Store in tightly closed original container, in a cool, dry and well-ventilated place away from heat sources and light. Keep air contact to a minimum.

VEGAN SUITABILITY STATEMENT

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We hereby confirm that, to the best of our knowledge, the whole production process of the above material, and the end product, is not processed with any animal products, and is suitable for a vegetarian and vegan use.

MAY 2022