



## **CERTIFICATE OF ANALYSIS**

**PRODUCT NAME:** Peg-40 Hydrogenated Castor Oil

**BATCH NUMBER:** 4528003

**BEST BEFORE DATE:** December 2026

PROPERTY	SPECIFICATION	RESULT
APPEARANCE	OFF WHITE / YELLOW LIQUID TO SEMI SOLID	CONFORMS
COLOUR IN GARDNER	5G MAX	1G
ACID VALUE	2 MAX	0.62
SAPONIFICATION VALUE	45 – 69	54
HYDROXYL VALUE	60 – 80	63
PH 5% SOLUTION	6.0 – 7.0	6.88



## 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

**CAS NUMBER**

61788-85-0

**EC NUMBER**

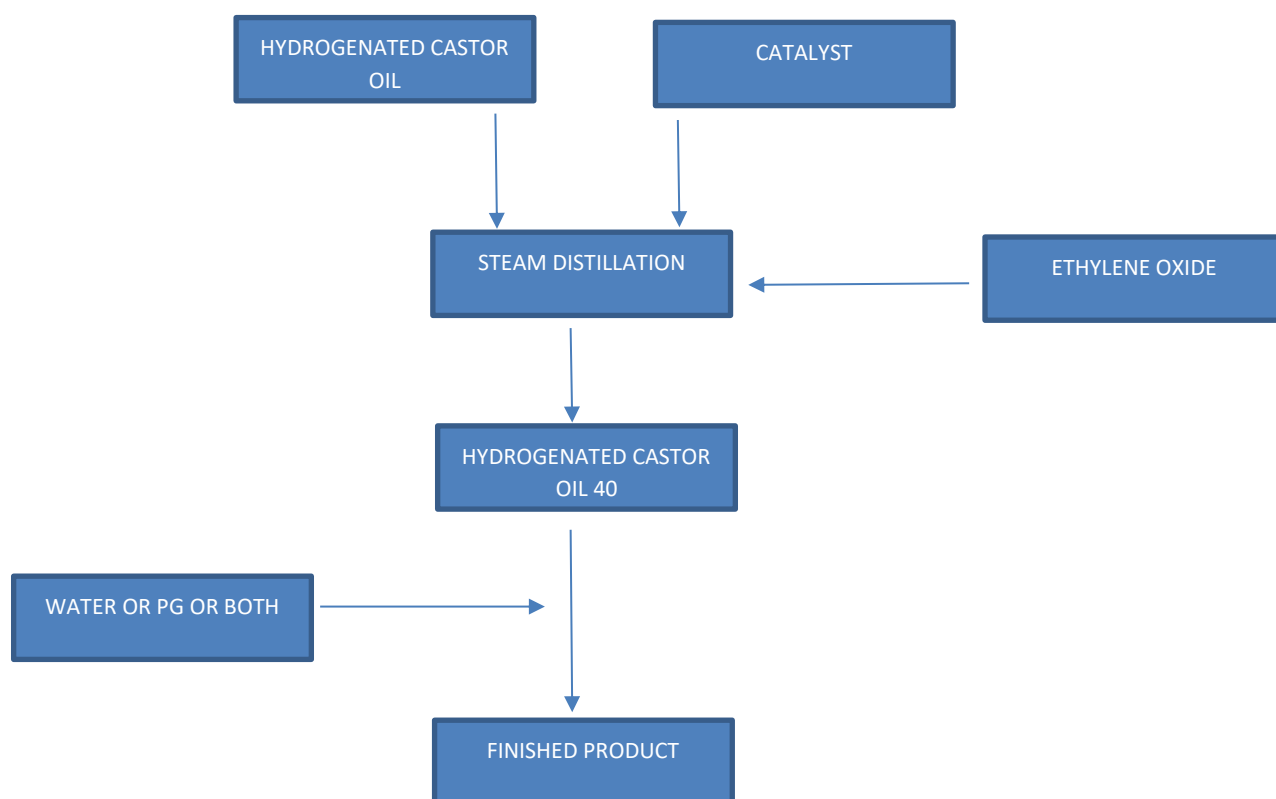
500-147-5

**FEMA NUMBER**

N/A

**CHEMICAL NAME**

POLYOXYETHYLENE (10) HYDROGENATED CASTOR OIL



**AUGUST 2022**



## **GMO STATEMENT**

### **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, 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

### 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 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** TMMadar Corporation Limited  
  
19 - 20 Sandleheath Industrial Estate  
Fordingbridge  
SP6 1PA  
  
01425 655 555  
  
technical@madarcorporation.co.uk

**1.4. Emergency telephone number**

**Emergency telephone** EMERGENCY INFORMATION OUT OF OFFICE HOURS CONTACT CARECHEM 24: +44 (0)1270 502891

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

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

<b>Physical hazards</b>	Not Classified
<b>Health hazards</b>	Not Classified
<b>Environmental hazards</b>	Not Classified

**2.2. Label elements**

<b>EC number</b>	500-147-5
<b>Hazard statements</b>	NC Not Classified

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

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

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

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

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

<b>General information</b>	No information available.
<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse nose, mouth and throat with water. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing. Remove contaminated clothing.
<b>Eye contact</b>	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.
<b>Protection of first aiders</b>	No information available.

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

<b>General information</b>	No information available.
<b>Inhalation</b>	No information available.
<b>Ingestion</b>	No information available.
<b>Skin contact</b>	No information available.
<b>Eye contact</b>	No information available.

## PEG-40 HYDROGENATED CASTOR OIL

### 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.
---------------------------	--

### 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.
-------------------------	---

### 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.
-----------------------------	---

## 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.
-------------------	--



## 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

## PEG-40 HYDROGENATED CASTOR OIL

<b>Other skin and body protection</b>	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).
<b>Hygiene measures</b>	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.
<b>Respiratory protection</b>	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
<b>Thermal hazards</b>	No information available.
<b>Environmental exposure controls</b>	No information available.

### SECTION 9: Physical and chemical properties

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

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

## PEG-40 HYDROGENATED CASTOR OIL

**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

<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	2,000.0
<b>Species</b>	Rat
<b>Notes (oral LD<sub>50</sub>)</b>	LD <sub>50</sub> >2000 mg/kg, Oral, Rat Klimisch rating 1 2017 2018 OECD 420 EU Method B.1
<b><u>Acute toxicity - dermal</u></b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	No information available.
<b><u>Acute toxicity - inhalation</u></b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	Not available.
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	Not corrosive to skin. Not irritating.
<b>Animal data</b>	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
<b>Human skin model test</b>	No information available.
<b>Extreme pH</b>	No information available.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	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
<b><u>Respiratory sensitisation</u></b>	
<b>Respiratory sensitisation</b>	No information available.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	No information available.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	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
<b>Genotoxicity - in vivo</b>	Not available.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	Not available.
<b>Target organ for carcinogenicity</b>	No information available.
<b>IARC carcinogenicity</b>	No information available.
<b>NTP carcinogenicity</b>	No information available.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Screening - NOAEL 1000 mg/kg/day, Oral, Rat P0 Screening - NOAEL 1000 mg/kg/day, Oral, Rat F1 Klimisch rating 1 2018 OECD 422
<b>Reproductive toxicity - development</b>	Not available.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	Not available.
<b>Target organs</b>	No information available.

## PEG-40 HYDROGENATED CASTOR OIL

### 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  
LC<sub>50</sub>, 96 hours: >1 mg/l, Oncorhynchus mykiss (Rainbow trout)  
Klimisch rating 2  
2018  
OECD 203

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: >1 mg/l, Daphnia magna  
Klimisch rating 1  
2018  
OECD 202

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 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** EC<sub>50</sub>, >: > 1000 mg/l, Activated sludge  
DIN 38412

**Acute toxicity - terrestrial** No information available.

## PEG-40 HYDROGENATED CASTOR OIL

### 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

## PEG-40 HYDROGENATED CASTOR OIL

### 13.1. Waste treatment methods

<b>General information</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Disposal methods</b>	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.
<b>Waste class</b>	No information available.

### SECTION 14: Transport information

<b>General</b>	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
----------------	--

#### 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

<b>National regulations</b>	No information available.
<b>EU legislation</b>	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).
<b>Guidance</b>	No information available.
<b>Health and environmental listings</b>	No information available.
<b>Authorisations (Annex XIV Regulation 1907/2006)</b>	No information available.

## PEG-40 HYDROGENATED CASTOR OIL

**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

<b>Abbreviations and acronyms used in the safety data sheet</b>	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
<b>General information</b>	No information available.
<b>Key literature references and sources for data</b>	Material Safety Data Sheet, Misc. manufacturers. Source: European Chemicals Agency, <a href="http://echa.europa.eu/">http://echa.europa.eu/</a>
<b>Classification procedures according to Regulation (EC) 1272/2008</b>	No information available.
<b>Training advice</b>	No information available.
<b>Revision comments</b>	Revision due to amendment of contents in section: 1, 5, 6, 7, 8, 11, 12, 13,
<b>Revision date</b>	03/04/2020
<b>Revision</b>	001
<b>Supersedes date</b>	01/12/2014
<b>SDS number</b>	11716

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



## **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

### 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, 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**