



## **CERTIFICATE OF ANALYSIS**

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

**BATCH NUMBER:** 4549205

**BEST BEFORE DATE:** July 2027

| 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

### PEG-40

**CAS NUMBER**

61788-85-0

**EC NUMBER**

500-147-5

**FEMA NUMBER**

N/A

**CHEMICAL NAME**

POLYOXYETHYLENE (10) HYDROGENATED CASTOR OIL

| NAME                           | CAS NUMBER                                  | CONCENTRATION PRESENT |
|--------------------------------|---|-----------------------|
| 3-PROPYLIDENEPHTHALIDE         | 17369-59-4                                  |                       |
| ACETYL CEDRENE                 | 32388-55-9                                  |                       |
| ALPHA-AMYL CINNAMIC ALCOHOL    | 101-85-9                                    |                       |
| ALPHA-AMYL CINNAMIC ALDEHYDE   | 122-40-7                                    |                       |
| ALPHA-TERPINENE                | 99-86-5                                     |                       |
| AMYL SALICYLATE                | 2050-08-0                                   |                       |
| ANETHOLE                       | 104-46-1/4180-23-8                          |                       |
| 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                                    |                       |
| BENZALDEHYDE                   | 100-52-7                                    |                       |
| BETA-CARYOPHYLLENE             | 87-44-5                                     |                       |
| CAMPHOR                        | 76-22-2                                     |                       |
| CANANGA ODORATA OIL            | 83863-30-3/8006-81-3/68606-83-7/ 93686-30-7 |                       |
| CARVONE                        | 99-49-0/6485-40-1                           |                       |
| CEDRUS ATLANTICA OIL           | 92201-55-3/8023-85-6                        |                       |
| CINNAMIC ALCOHOL               | 104-54-1                                    |                       |
| CINNAMIC ALDEHYDE              | 104-55-2                                    |                       |
| CINNAMOMUM CASSIA LEAF OIL     | 8007-80-5/84961-46-6                        |                       |
| CINNAMOMUM ZEYLANCIUM BARK OIL | 8015-91-6/84649-98-9                        |                       |
| CITRAL (NERAL+GERANIAL)        | 5392-40-5                                   |                       |
| CITRONELLOL                    | 106-22-9                                    |                       |
| CITRUS AURANTIUM FLOWER OIL    | 72968-50-4/8028-48-                         |                       |



|                                    |   |  |
|------------------------------------|---|--|
|                                    | 6/8016-38-4   |  |
| CITRUS AURANTIUM PEEL OIL          | 68916-04-1/72968-50-4/97766-30-8/ 8028-48-6/8008-57-9 |  |
| CITRUS AURANTIUM BERGAMIA PEEL OIL | 8007-75-8/89957-91-5/68648-33-9/ 8007-75-8/85049-21-1 |  |
| CITRUS LIMON PEEL OIL              | 84929-13-7/8008-56-8                                  |  |
| COUMARIN                           | 91-64-5   |  |
| DIMETHYL PHENETHYL ACETATE         | 151-05-3  |  |
| EUCALYPTUS GLOBULUS OIL            | 97926-40-4/8000-48-4                                  |  |
| EUGENIA CARYOPHYLLUS OIL           | 8000-34-8/84961-50-2/8015-97-2                        |  |
| EUGENOL                            | 97-53-0   |  |
| EUGENYL ACETATE                    | 93-28-7   |  |
| FARNESOL                           | 4602-84-0   |  |
| GAMMA-METHYL IONONE                | 127-51-5  |  |
| GERANIOL                           | 106-24-1  |  |
| GERANYL ACETATE                    | 105-87-3  |  |
| HEXADECANOLACETONE                 | 109-29-5  |  |
| HYDROXYCITRONELLAL                 | 107-75-5  |  |
| HEXAMETHYLLINDANOPYRAN             | 1222-05-5   |  |
| HEXYL CINNAMIC ALDEHYDE            | 101-86-0  |  |
| ISOEUGENOL                         | 97-54-1   |  |
| ISOEUGENYL ACETATE                 | 93-29-8   |  |
| JASMINE OIL                        | 84776-64-7/90045-94-6/8022-96-6/ 8024-43-9/90045-94-6 |  |
| JUNIPERUS VIRGINIANA OIL           | 8000-27-9/85085-41-2                                  |  |
| LAURUS NOBILIS LEAF OIL            | 8002-41-3/8007-48-5/84603-73-6                        |  |
| LAVANDULA OIL                      | 91722-69-9/84776-65-8/8000-28-0/ 90063-37-9/8022-15-9 |  |
| LEMONGRASS OIL                     | 8007-02-1/89998-16-3/91844-92-7                       |  |
| LIMONENE                           | 138-86-3/5989-27-5/5989-54-8                          |  |
| LINALOOL                           | 78-70-6   |  |
| LINALYL ACETATE                    | 115-95-7  |  |
| LIPPIA CITRIODORA ABSOLUTE         | 8024-12-2/85116-63-8                                  |  |
| MENTHA PIPERITA OIL                | 8006-90-4/84082-70-2                                  |  |
| MENTHA VIRIDIS LEAF OIL            | 8008-79-5/84696-15-5                                  |  |
| MENTHOL                            | 89-78-1/1490-04-6/2216-51-5                           |  |
| METHYL OCTINE CARBONATE            | 111-12-6  |  |
| METHYL SALICYLATE                  | 119-36-8  |  |



|  |   |  |
|--|---|--|
| MYROXYLON PEREIRAE OIL                   | 8007-00-9   |  |
| NARCISSUS EXTRACT                        | 90064-26-9/68917-12-4/90064-27-0/ 90064-25-8  |  |
| OAKMOSS                                  | 68917-10-2/90028-68-5   |  |
| PELARGONIUM GRAVEOLENS FLOWER OIL        | 90082-51-2/8000-46-2  |  |
| PINENE                                   | 80-56-8/7785-70-8/127-91-3/ 17172-67-3  |  |
| PINUS MUGO                               | 90082-72-7  |  |
| PINUS PUMILA                             | 97676-05-6  |  |
| POGOSTEMON CABIN OIL                     | 8014-09-3/84238-39-1  |  |
| ROSE FLOWER OIL                          | 8007-01-0/93334-48-6/84696-47-9/ 84604-12-6/ 84604-13-7/92347-25-6  |  |
| ROSE KETONES                             | 43052-87-5/23726-94-5<br>24720-09-0<br>23696-85-7<br>57378-68-4<br>71048-82-3<br>23726-92-3<br>23726-91-2 |  |
| SALICYLALDEHYDE                          | 90-02-8   |  |
| SANTALOL                                 | 11031-45-1/115-71-9/77-42-9   |  |
| SANTALUM ALBUM OIL                       | 8006-87-9/84787-70-2  |  |
| SCLAREOL                                 | 515-03-7  |  |
| TERPINEOL                                | 8000-41-7/98-55-5-138-87-4/586-81-2   |  |
| TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES  | 54464-57-2  |  |
| TREEMOSS                                 | 68648-41-9/90028-67-4   |  |
| TRIMETHYLBENZENEPROPANOL                 | 103694-68-4   |  |
| TURPENTINE                               | 9005-90-7/8006-64-2/8052-14-0   |  |
| TERPINOLENE                              | 586-62-9  |  |
| TRIMETHYLCYCLOPENTENYL METHYLISOPENTANOL | 67801-20-1  |  |
| VANILLIN                                 | 121-33-5  |  |

ON BEHALF OF OQEMA  
NOVEMBER 2023



## CMR CERTIFICATE

### PEG-40

**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 to state that the above material, might contain following substances listed as CMR products, outlined in Article 15 of the Cosmetics Regulation 1223/2009 (CMR substances of category 1A, 1B, or 2 under Part 3 of Annex IV to Regulation (EC) NO 1272/2008):

- Ethylene Oxide (75-21-8) <100 ppm
- 1,4-Dioxane (123-91-1) <10 ppm

**JANUARY 2024**



## FLOW CHART

### PEG 40 HYDROGENATED CASTOR OILS

**CAS NUMBER**

61788-85-0

**EC NUMBER**

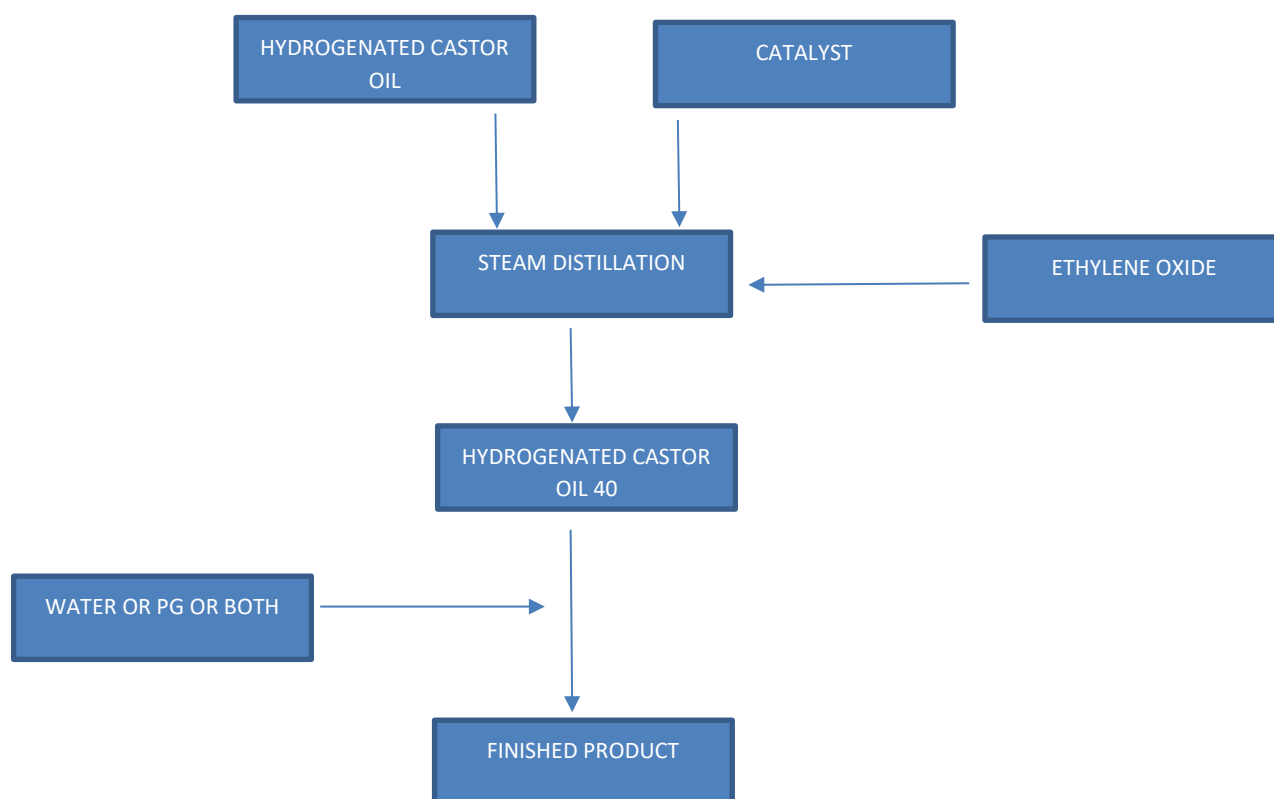
500-147-5

**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**





# PEG-40

## Safety Data Sheet

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.  
According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.  
Issue date: 01/11/2023 Version: 1.0

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

#### 1.1. Product identifier

Product form : Substance (UVCB)  
Trade name : PEG-40  
EC-No. : 500-147-5  
CAS-No. : 61788-85-0

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

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

#### 1.4. Emergency telephone number

Emergency number : 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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

##### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

# Safety Data Sheet

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.  
According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

## 2.2. Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

## 2.3. Other hazards

Other hazards which do not result in classification : The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance type : UVCB  
Name : PEG-40 HYDROGENATED CASTOR OIL  
CAS-No. : 61788-85-0  
EC-No. : 500-147-5

| Name  | Product identifier                       | %                    | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|----------------------|---|
| PEG-40 HYDROGENATED CASTOR OIL                                    | CAS-No.: 61788-85-0<br>EC-No.: 500-147-5 | $\geq 96 - \leq 100$ | See section 2.1   |
| Castor oil, hydrogenated, ethoxylated [1 - 6.5 moles ethoxylated] | CAS-No.: 61788-85-0<br>EC-No.: 500-147-5 | 98 – 100             | Aquatic Chronic 2, H411   |

Full text of H- and EUH-statements: see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : In all cases of doubt, or when symptoms persist, seek medical attention.  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.  
Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

# Safety Data Sheet

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.  
According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

## 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

## 5.3. Advice for firefighters

Firefighting instructions : Prevent fire fighting water from entering the environment.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Use self-contained breathing apparatus and chemically protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Wear protective clothing as described in Section 8 of this safety data sheet.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment. Do not discharge into drains or the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13. See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Take off immediately all contaminated clothing and wash it before reuse. Use good personal hygiene practices.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Keep only in the original container in a cool, well-ventilated place.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

# Safety Data Sheet

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.  
According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

## 8.1.2. Recommended monitoring procedures

No additional information available

## 8.1.3. Air contaminants formed

No additional information available

## 8.1.4. DNEL and PNEC

| LANCOS EM-40 HCO (61788-85-0)        |                           |
|--------------------------------------|---------------------------|
| DNEL/DMEL (Workers)                  |                           |
| Long-term - systemic effects, dermal | 16.6 mg/kg bodyweight/day |
| DNEL/DMEL (General population)       |                           |
| Long-term - systemic effects, dermal | 8.3 mg/kg bodyweight/day  |
| PNEC (Water)                         |                           |
| PNEC aqua (freshwater)               | 1 µg/l                    |
| PNEC aqua (marine water)             | 0.1 µg/l                  |
| PNEC aqua (intermittent, freshwater) | 10 µg/l                   |
| PNEC (Sediment)                      |                           |
| PNEC sediment (freshwater)           | 100 mg/kg dwt             |
| PNEC sediment (marine water)         | 10 mg/kg dwt              |
| PNEC (Soil)                          |                           |
| PNEC soil                            | 20 mg/kg dwt              |

## 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Wear foot protection.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses. Safety glasses (EN 166)

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing. Protective clothing (EN 14605 or EN 13034)

##### Hand protection:

Protective gloves. Protective gloves against chemicals (EN 374)

# Safety Data Sheet

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## 8.2.2.3. Respiratory protection

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

## 8.2.2.4. Thermal hazards

No additional information available

## 8.2.3. Environmental exposure controls

### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|   |                         |
|---|-------------------------|
| Physical state                                  | : Liquid                |
| Colour  | : Beige.                |
| Appearance                                      | : Paste.                |
| Odour   | : mild.                 |
| Odour threshold                                 | : Not available         |
| Melting point                                   | : 20 °C                 |
| Freezing point                                  | : Not available         |
| Softening point                                 | : < °C                  |
| Boiling point                                   | : > 200 °C              |
| Flammability                                    | : Non flammable.        |
| Lower explosion limit                           | : Not available         |
| Upper explosion limit                           | : Not available         |
| Flash point                                     | : 242 °C                |
| Auto-ignition temperature                       | : 375 °C                |
| Decomposition temperature                       | : Not available         |
| pH  | : Not available         |
| Viscosity, kinematic                            | : Not available         |
| Solubility                                      | : Water: 490 g/l @ 23°C |
| Partition coefficient n-octanol/water (Log Kow) | : Not available         |
| Vapour pressure                                 | : 0 Pa Temp.: 25 °C     |
| Vapour pressure at 50°C                         | : Not available         |
| Density   | : Not available         |
| Relative density                                | : 1.03 @ 60°C           |
| Relative vapour density at 20°C                 | : Not available         |
| Particle characteristics                        | : Not applicable        |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

Relative evaporation rate (butylacetate=1) : ≤

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

# Safety Data Sheet

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.  
According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

## 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

## 10.5. Incompatible materials

No additional information available

## 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### LANCOS EM-40 HCO (61788-85-0)

|               |   |
|---------------|---|
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method), Guideline: EU Method B.1 bis (Acute Oral Toxicity - Fixed Dose Procedure) |
|---------------|---|

#### Castor oil, hydrogenated, ethoxylated [1 - 6.5 moles ethoxylated] (61788-85-0)

|               |   |
|---------------|---|
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method), Guideline: EU Method B.1 bis (Acute Oral Toxicity - Fixed Dose Procedure) |
|---------------|---|

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified

#### LANCOS EM-40 HCO (61788-85-0)

|                            |  |
|----------------------------|--|
| NOAEL (oral, rat, 90 days) | 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
|----------------------------|--|

#### Castor oil, hydrogenated, ethoxylated [1 - 6.5 moles ethoxylated] (61788-85-0)

|                            |  |
|----------------------------|--|
| NOAEL (oral, rat, 90 days) | 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
|----------------------------|--|

Aspiration hazard : Not classified

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

#### 11.2.2. Other information

No additional information available

# Safety Data Sheet

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.  
According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |   |
|---|---|
| Ecology - general   | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified  |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified  |
| Not rapidly degradable                                    |   |

#### LANCOS EM-40 HCO (61788-85-0)

|                      |  |
|----------------------|--|
| LC50 - Fish [1]      | > 1 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)  |
| EC50 - Crustacea [1] | > 1 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h - Algae [1] | > 1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |

#### Castor oil, hydrogenated, ethoxylated [1 - 6.5 moles ethoxylated] (61788-85-0)

|                      |  |
|----------------------|--|
| LC50 - Fish [1]      | > 1 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)  |
| EC50 - Crustacea [1] | > 1 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h - Algae [1] | > 1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

|  |  |
|--|--|
| Adverse effects on the environment caused by endocrine disrupting properties | : The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. |
|--|--|

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|   |  |
|---|--|
| Regional waste regulation                 | : Dispose of waste product or used containers according to local regulations.  |
| Waste treatment methods                   | : Dispose of contents/container in accordance with licensed collector's sorting instructions.                                |
| European List of Waste (LoW, EC 2000/532) | : Waste code can't be determined according to the European Waste Catalogue (EWC), since it depends on the use of the product |

# Safety Data Sheet

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.  
According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

HP Code : HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                                     | IMDG          | IATA          | ADN           | RID           |
|---|---------------|---------------|---------------|---------------|
| <b>14.1. UN number or ID number</b>     |               |               |               |               |
| Not regulated for transport             |               |               |               |               |
| <b>14.2. UN proper shipping name</b>    |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b> |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available  |               |               |               |               |

## 14.6. Special precautions for user

### Overland transport

Not regulated

### Transport by sea

Not regulated

### Air transport

Not regulated

### Inland waterway transport

Not regulated

### Rail transport

Not regulated

## 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Other information, restriction and prohibition regulations

: Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 and all its amendments and modifications. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 and all its amendments and modifications.

#### REACH Annex XVII (Restriction List)

Not listed on REACH Annex XVII



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## REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

## REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

## PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

## POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

## Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

## Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

## Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

## 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Abbreviations and acronyms:

|        |   |
|--------|---|
| ADN    | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR    | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE    | Acute Toxicity Estimate   |
| BCF    | Bioconcentration factor   |
| BLV    | Biological limit value  |
| BOD    | Biochemical oxygen demand (BOD)   |
| COD    | Chemical oxygen demand (COD)  |
| DMEL   | Derived Minimal Effect level  |
| DNEL   | Derived-No Effect Level   |
| EC-No. | European Community number   |
| EC50   | Median effective concentration  |
| EN     | European Standard   |
| IARC   | International Agency for Research on Cancer   |
| IATA   | International Air Transport Association   |
| IMDG   | International Maritime Dangerous Goods  |
| LC50   | Median lethal concentration   |
| LD50   | Median lethal dose  |
| LOAEL  | Lowest Observed Adverse Effect Level  |
| NOAEC  | No-Observed Adverse Effect Concentration  |

# Safety Data Sheet

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.  
According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

## Abbreviations and acronyms:

|         |  |
|---------|--|
| NOAEL   | No-Observed Adverse Effect Level   |
| NOEC    | No-Observed Effect Concentration   |
| OECD    | Organisation for Economic Co-operation and Development                       |
| OEL     | Occupational Exposure Limit  |
| PBT     | Persistent Bioaccumulative Toxic   |
| PNEC    | Predicted No-Effect Concentration  |
| RID     | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS     | Safety Data Sheet  |
| STP     | Sewage treatment plant   |
| ThOD    | Theoretical oxygen demand (ThOD)   |
| TLM     | Median Tolerance Limit   |
| VOC     | Volatile Organic Compounds   |
| CAS-No. | Chemical Abstract Service number   |
| N.O.S.  | Not Otherwise Specified  |
| vPvB    | Very Persistent and Very Bioaccumulative                                     |
| ED      | Endocrine disrupting properties  |

Data sources : ECHA (European Chemicals Agency). Supplier's safety documents.

## Full text of H- and EUH-statements:

|                   |   |
|-------------------|---|
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| H411              | Toxic to aquatic life with long lasting effects.                  |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



## **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**