# CERTIFICATE OF ANALYSIS

PRODUCT NAME : STEARIC ACID BP POWDER -
PRODUCT SYNONYM : STEARIC ACID 1843 POWDER
BATCH NUMBER : 4414101
BEST BEFORE : NOVEMBER 2023

MANUFACTURING SITE : LIPIDCHEM

| TEST | UNIT | SPECIFICATION | RESULT |
|---|---|---|---|
| Freezing Point (Id A) | °C | 54 - 56 | 55.8 |
| Iodine Value | gI2/100g | 1.0 max | 0.31 |
| Acid Value (Id B) | mg KOH/g | 206 - 210 | 208.40 |
| Colour Lovibond | Yellow 5.25" | 5.0 max | 0.7 |
| Colour Lovibond | Red 5.25" | 0.5 max | 0.1 |
| Water Content | % | 0.2 max | 0.04 |
| Composition C18 | % | 40 - 60 | 45.11 |
| Composition C16+C18 | % | 90 min | 99.51 |
| Identification C | | Complies with monograph | Complies |
| Appearance | | $Y_7$ or $BY_7$ | < $Y_7$ |
| Appearance at 20 °C | | Complies | Complies |
| Acidity | | Complies with monograph | Complies |
| Nickel | ppm | 1.0 max | Not detected (<0.02) |
| Heavy Metal as Pb | ppm | 10 max | Not detected (<0.02) |
| Arsenic * | ppm | 3.0 max | Not detected (<0.05) |
| Lead * | ppm | 1.0 max | Not detected (<0.02) |
| Mercury * | ppm | 0.1 max | Not detected (<0.02) |
| Cadmium * | ppm | 1.0 max | Not detected (<0.02) |
| Unsaponifiable Matter * | % | 1.5 max | 0.3 |
| Residue on Ignition | % | 0.1 max | <0.01 |
| Residual Solvent (5.4) | | Complies | Complies |
| Solubility | | Practically insoluble in water; soluble in ethanol (96%) and in light petroleum. | Complies |

Note :
Parameter mark with (*) shall be tested and reported quarterly.
Material Tested according to Ph Eur 1474.
Material complies with Stearic Acid 50 Ph Eur 1474 & E 570 according to EU 231/2012

Date: Feb 20, 2020
Our Ref : LSB/2K20-02/MKR-UK/SA50P/517

Product Name: **STEARIC ACID POWDER**
Product Synonym: **STEARIC ACID BP POWDER**

## 1) PESTICIDE / FUNGICIDE / MYCOTOXIN / DIOXIN / NANOMATERIALS

To the best of our knowledge based on our understanding of the process and raw materials, our Stearic Acid Powder does not contain Pesticides, Fungicide, Mycotoxin, Dioxin and Nanomaterials. Thus, we would not expect any of these materials to be present in our product.

## 2) BSE/TSE FREE CERTIFICATION

The Stearic Acid Powder is a non-animal sourced material. It is made from raw material of vegetable origin (Palm Oil or Elaeis Guineensis) and does not contact with any animal source material during processing. We hereby certify our Stearic Acid Powder is completely BSE/TSE Free.

## 3) LATEX STATEMENT

We hereby certify that the Steric Acid Powder we manufacture does not contain Latex as ingredient or come into contact during manufacturing process.

## 4) PROP 65 STATEMENT

The Stearic Acid Powder does not contain any hazardous materials listed in the California Proposition 65.

## 5) RESIDUAL SOLVENT STATEMENT

The Stearic Acid Powder manufacturing and/or cleaning processes do not involve any class 1, 2 or 3 solvents as ingredient or come into contact during processing. Therefore, we certify that the Stearic Acid Powder is free from any solvents and its residue.

*Stearic acid powder statement*

## 6) GMP STATEMENT ON MANUFACTURING

The manufacturer certifies that the methods used in and the facilities and controls used for the manufacture, processing, packaging and holding of the product are according to the current Good Manufacturing Practices.

## 7) DMF FILED

Our Stearic Acids C1843 & C1890 are filed with FDA under type IV US DMF No. 23613.

## 8) AFLATOXIN & DIOXIN STATEMENT

Based on our best knowledge of manufacturing and handling raw materials and finished products, the Stearic Acid Powder does not contain aflatoxins and dioxin. Thus, we would not expect any of these materials to be present in our product.

## 9) GMO STATEMENT

Based on our best knowledge the Stearic Acid Powder is none genetically modified organisms nor does it contain any genetically modified organisms.

## 10) ALLERGEN STATEMENT

The Stearic Acid Powder does not contain any of the following allergens under EU Directive 2003/89/EC and amendments: Cereals Containing Gluten and its Products, Eggs and its Products, Fish and its Products, Crustaceans and its Products, Peanuts and its Products, Any Type of Nut and its Products, Soybeans and its Products, Milk and its Products, Celery and its Products, Mustard and its Products, Sesame and its Products.

## 11) MELAMINE STATEMENT

Based on our best knowledge of manufacturing and handling raw materials and finished products, we do not use or add any Melamine in our process. Therefore, we certify that our Stearic Acid Powder is free from Melamine.

## 12) NON-IRRIDATED & NON-ETO MATERIAL STATEMENT

We hereby declare that the Stearic Acid Powder produced by us has never been irradiated, or treated with ETO (Ethylene Oxide), and never exposed to radioactive or high frequency electrical charge.

## 13) SHELF LIFE

Expiration period is 2 years from the manufactured date.
The product should be stored at room temperature and under shade.

It is certified that the above information is correct.

# SAFETY DATA SHEET

STEARIC ACID BP POWDER RSPO MB



**Compilation date:** 12/11/2008

**Revision date:** 09/05/2018

**Revision No:** 3

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

### 1.1. Product identifier

**Product name:** STEARIC ACID BP POWDER RSPO MB

**REACH registered number(s):** NOT REACH REGISTERED - EXEMPTION APPLIES FOR CERTAIN APPLICATIONS

**CAS number:** 67701-03-5

**EINECS number:** 266-928-5

**Product code:** WAXSTEA

**Synonyms:** STEARIC ACID AND PALMITIC ACID

OCTADECANOIC ACID AND HEXADECANOIC ACID

STEARIC ACID 1843 POWDER

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

**Use of substance / mixture:** From 01/06/2018, only REACH exempt uses permitted (food, pharmaceutical, feed and flavour)

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

**Company name:** MADAR Corporation Limited

19-20 Sandleheath Industrial Estate

Fordingbridge

Hampshire

SP6 1PA

**Tel:** +44 (0)1425 655555

**Email:** sales@madarcorporation.co.uk

### 1.4. Emergency telephone number

**Emergency tel:** +44 (0) 1425 655555

(office hours only)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CLP:** This product has no classification under CLP.

### 2.2. Label elements

**Label elements:** This product has no label elements.

### 2.3. Other hazards

**Other hazards:** Combustible. In use, may form flammable / explosive dust-air mixture.

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.1. Substances

**Chemical identity:** STEARIC ACID BP POWDER RSPO MB

**CAS number:** 67701-03-5

**EINECS number:** 266-928-5

**REACH registered number(s):** NOT REACH REGISTERED - EXEMPTION APPLIES FOR CERTAIN APPLICATIONS

**Contains:** Stearic Acid and Palmitic Acid

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water.

**Inhalation:** Consult a doctor.

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

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

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

**Immediate / special treatment:** Not applicable.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used.

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

**Exposure hazards:** In combustion emits toxic fumes. May form flammable / explosive dust-air mixture.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.

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

**Clean-up procedures:** Wash the spillage site with large amounts of water.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid the formation or spread of dust in the air.

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

**Storage conditions:** Store in a cool, well ventilated area.

**Suitable packaging:** In bulk liquid store at about 5-10 deg C above melting point. Temperature higher than necessary degrades quality at rates dependent on time and temperature.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Respiratory protective device with particle filter.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

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

**State:** Powder

**Colour:** White

**Odour:** Barely perceptible odour

**Evaporation rate:** Negligible
**Oxidising:** Non-oxidising (by EC criteria)
**Solubility in water:** Insoluble
**Also soluble in:** Most organic solvents.
**Boiling point/range°C:** >300 **Melting point/range°C:** 55-60
**Flash point°C:** >200 **Autoflammability°C:** >300

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicity values:**

| Route | Species | Test | Value | Units |
|---|---|---|---|---|
| ORL | RAT | LD50 | >10000 | mg/kg |

**Excluded hazards for substance:**

| Hazard | Route | Basis |
|---|---|---|
| Acute toxicity (ac. tox. 4) | - | No hazard: calculated |
| Acute toxicity (ac. tox. 3) | - | No hazard: calculated |

| | | |
|---|---|---|
| Acute toxicity (ac. tox. 2) | - | No hazard: calculated |
| Acute toxicity (ac. tox. 1) | - | No hazard: calculated |
| Skin corrosion/irritation | - | No hazard: calculated |
| Serious eye damage/irritation | - | No hazard: calculated |
| Respiratory/skin sensitisation | - | No hazard: calculated |
| Germ cell mutagenicity | - | No hazard: calculated |
| Carcinogenicity | - | No hazard: calculated |
| Reproductive toxicity | - | No hazard: calculated |
| STOT-single exposure | - | No hazard: calculated |
| STOT-repeated exposure | - | No hazard: calculated |
| Aspiration hazard | - | No hazard: calculated |

### Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:** No data available.

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Non-volatile. Insoluble in water. Floats on water.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** Negligible ecotoxicity.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company. Deposit into or on to land (e.g. landfill, etc.)

**Disposal of packaging:** Dispose of as normal industrial waste.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

## PRODUCT SPECIFICATION

**OLSABPRSPO**

| | |
|---|---|
| **Description:** **Stearic Acid BP Powder**<br>**RSPO Mass Balance (MB)** | **Issue:** **1**<br>**Revision No:** **0** |

## Characteristics

| | |
|---|---|
| Freezing Point (Id A) | 54 – 56 ºC |
| Iodine Value | 0.0 - 1.0 g $I_2$/100g |
| Acid Value (Id B) | 206 – 210 mg KOH/g |
| Colour max., Lovibond 5¼" cell | 5.0Y 0.5R |
| Water (Karl Fischer) | 0.2% max |
| Assay (fatty acid composition): | 98% min |
| Composition C18 | 40 – 60 % |
| Composition C16 + C18 | 90% min |
| Identification C | Complies with monograph |
| Appearance | $Y_7$ or $BY_7$ |
| Appearance at 20ºC | White Powder |
| Acidity | Complies with monograph |
| Nickel | 0.0 - 1.0 ppm |
| Heavy Metal as Pb | 0.0 – 10 ppm |
| Arsenic | 3 mg/kg max |
| Lead | 1 mg/kg max |
| Mercury | 1 mg/kg max |
| Unsaponifiable matter | 1.5% max |
| Residue on Ignition | 0.0 – 0.1 % |
| Organic Volatile Impurities | Passed |
| Neutral Fat or Paraffin | Passed |

Tests according to Ph Eur 1474. Material complies with Stearic Acid 50 Ph Eur 1474. Material complies with 2008/84/EC E570. 100% Vegetable Origin.

NB: This document nullifies and replaces all previous documents referring to this product.