

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008

Revision: 02

Issued Date: March 23, 2018

1. Identification of the substance/mixture

1.1 Product Identifiers

- Product Name : Triple Pressed Stearic Acid, Stearic Acid 43%, Stearic Acid 52% & Stearic Acid 65%
- Trade Name : PALMATA 1801, PALMATA 1843, PALMATA 1852 & PALMATA 1865
- Chemical Name : Fatty Acids C16-18
- Manufacturer's Code : P 1801, P 1843, P 1852 & P 1865
- CAS No. : 67701-03-5
- EINECS No. : 266-928-5
- Registration No. : 01-2119543709-XX-XXXX

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

- Identified Uses : This product is only intended for using as an ingredient in the manufacturing of mixtures.

2. Hazard identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

This substance is not classified according to the CLP regulation

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Not applicable

Information concerning particular hazard for human and environment

Not applicable

2.2 Label elements

Void

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

3. Composition/information of ingredients

3.1 Chemical characterization: Substances

Chemical name: Fatty acids C16-18

CAS number: 67701-03-5

EINEC number: 266-928-5

Additional information: The product is not classified as hazardous to health or environment according to the CLP regulation.

4. First aid measures

4.1 Description of first aid measures

Inhalation: Fresh air.

Skin contact: Wash skin with soap and water. If material is hot, treat for thermal burns and get immediate medical attention.

Eye contact: Immediately rinse with water. Get medical attention if any discomfort continues.

Ingestion: Rinse mouth thoroughly. Drink plenty of water. Contact physician if larger quantity has been consumed. Get medical attention if any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

- Information for health personnel: Get medical attention if any discomfort continues.
- 4.3 **Indication of any immediate medical attention and special treatment needed**
 Other Information: -

5. Firefighting measures

- 5.1 **Extinguishing media:**
 Carbon dioxide, dry chemical powder or appropriate foam. For safety reasons do not use full water jet.
- 5.2 **Special hazards arising from the substance or mixture:**
 Not applicable.
- 5.3 **Advice for firefighters:**
 In case of fire in the surrounding area, follow the recommendations below: - Avoid inhalation of fumes or vapours. Use appropriate respiratory protection. - Prevent run-off from firefighting to enter drains or water courses.

6. Accidental release measures

- 6.1 **Personal precautions, protective equipment and emergency procedures:**
 Wear appropriate gloves to prevent skin exposure. Avoid dust formation and prevent scattering by moistening with water. Maintain adequate ventilation in the working area after spilling.
- 6.2 **Environmental precautions:**
 Avoid contaminating the environment via the sewers or water sources.
- 6.3 **Methods and material for containment and cleaning up:**
 Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.
- 6.4 **Reference to other sections:**
 See section 7 for information on safe handling.
 See section 8 for information on personal protection equipment.
 See section 13 for disposal information.

7. Handling and storage

- 7.1 **Precautions for safe handling:**
 Keep away from food, drink and animal feeding stuffs. Do not smoke. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.
- 7.2 **Conditions for safe storage, including any incompatibilities:**
 Keep the product in its original container well sealed in a dry and ventilated area away from potential sources of ignition and protected from light.
- 7.3 **Specific end use(s):**
 Not available.

8. Exposure controls/personal protection

- 8.1 **Control parameters**
Occupational exposure limit values: Contains no substances with occupational exposure limit values.

DNEL (Derived No Effect Level) for workers:

Exposure pattern	Route	DNEL
Acute-systemic effects	Dermal	n/a
	Inhalation	n/a
Acute-local effects	Dermal	n/a
	Inhalation	n/a
Long term-systemic effects	Dermal	10 mg/kg bw/day
	Inhalation	17.632 mg/m ³
Long term- local effects	Dermal	n/a
	Inhalation	n/a

DNEL (Derived No Effect Level) for the general population:

Exposure pattern	Route	DNEL
Acute-systemic effects	Dermal	n/a
	Inhalation	n/a
	Oral	n/a
Acute-local effects	Dermal	n/a
	Inhalation	n/a
Long term-systemic effects	Dermal	5 mg/kg bw/day
	Inhalation	4.348 mg/m ³
	Oral	2.5 mg/kg bw/day
Long term- local effects	Dermal	n/a
	Inhalation	n/a

8.2 Exposure controls

- Personal protection equipment: Use personal protection equipment according to Directive 89/686/EEC.
 Eye/Face protection: Chemical safety goggles are recommended. Wash contaminated goggles before reuse.
 Respiratory Protection: Use personal breathing apparatus whenever deemed necessary.
 Skin Protection: Avoid contact with skin. Compatible chemical-resistant gloves are recommended.
 Wash contaminated gloves before reuse.
 Engineering Controls-Ventilation: The areas where the product is handled and stored should be adequately ventilated

9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Appearance: White or very light yellow beads or solid
 Odor: Slightly fatty acid
 Physical State @ 72° F (22° C): Solid
 Solubility: Insoluble in water, soluble in alcohol, ether, chloroform and acetone
 Boiling Point, °C at 760 mmHg: >200
 pH: Not available
 Flash Point (Open Cup method), °C: ~180
 Auto ignition Temperature: >482°F (250°C)
 Acid Number, mg KOH / g: 201 - 212
 Vapor Pressure, (mm Hg): @ 329°F (165°C) 0.99 mm Hg
 Melting Point, °C: 54 - 61
 Density, g / ml at 70°C: 0.8450

10. Stability and reactivity**10.1 Reactivity**

There are no known reactivity hazards associated with this product.

10.2 Chemical stability

Stable under normal operating conditions.

10.3 Possibility of hazardous reactions

Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions.

10.4 Conditions to avoid

Avoid excessive heat, sparks or open flame.

No special precautions other than good housekeeping of chemicals.

10.5 Incompatible materials

Materials to avoid Strong oxidizing substances.

10.6 Hazardous decomposition products

No hazardous decomposition products.

11. Toxicological information**11.1 Information on toxicological effects****Toxicological Information:**

LD50 oral Value: > 5000 mg/kg

Test animal species: rat

Comments: OECD Guideline 401
Potential acute effects
Skin contact: Not Irritating.
Eye contact: Not Irritating.
Delay / Repeating
Sensitization: Not Sensitizing.
Carcinogenic, Mutagenic or Reprotoxic
Mutagenicity: None.
Reproductive toxicity: None.

12. Ecological information

12.1 Toxicity

Acute aquatic, fish: Value: > 1000 mg/L (LC50)
Method of testing: OECD Guideline 203

12.2 Persistence and degradability

The product is readily biodegradable.

12.3 Bio accumulative potential

Will not bio-accumulate.

12.4 Mobility in soil

Not available.

12.5 Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB.

12.6 Other adverse effects:

No further relevant information available.

13. Disposal considerations

13.1 Waste treatment methods

Dispose accordance with all applicable national environment laws and regulations

14. Transport information

UN Number:

None

UN Proper Shipping Name:

None

Transport Hazard Class:

Not hazardous according to RID/ADR, GGVS/GGVE, ADN, IMDG, ICAO-TI/IATA-DGR

Packing Group:

None

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Environmental Hazard:

Marine pollutant (Yes/No): No

MARPOL Annex II: Category Y

15. Regulatory information

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

15.2 National regulations:

15.3 Others regulations, limitations and prohibitive regulations

Country substance listing: USA (TSCA), Canada (DSL), Swiss & China (IECSC), Korea (ECL), Japan (ENCS), New Zealand (NZIOC) and Australia (AICS)

15.4 Chemical safety assessment

Chemical safety assessment has been carried out

16. Other information

16.1 Revision Information

Date of previous revision: Feb 20, 2017

Previous revision no: 01

Date of this revision: March 23, 2018

This revision no: 02

16.2 Training advise

Provide adequate information, instruction and training for operators.

Always work safely around the open hatches on bulk tanks. The low density makes flotation difficult for immersed person.

16.3 Disclaimer

As the users' condition of work is not known, the information contained in this Material Safety Data Sheet is accurate to the best of our knowledge and is based on the national community regulations. The product must not be employed for uses other than those specified without having previously obtained written handling instructions. Users are responsible for taking all necessary to comply with the requirements of the law and local regulations. The information contained in this sheet should be regarded as the description of the safety requirements relating to our products and not as a guarantee of its properties.