

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY**1.1 Product identifier** : Triple Pressed Stearic Acid**1.2 Relevant identified uses of the substance and uses advised against**

Relevant identified uses : Raw material for manufacturing oleochemical derivatives

Uses advised against : Not available

1.3 Details of the supplier of the SDS

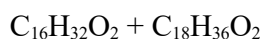
Company Name : Wax Hellas S.A.
Address : Eleftheriou Venizelou 223, GR-17123, Nea Smirni, Greece
Tel. : +30 210 5202000
E-mail address: : info@wax.gr

1.4. Emergency telephone number

Poison center in Greece : +30 2107793777 (7 days, 24h)

SECTION 2 : HAZARDS IDENTIFICATION**2.1 Classification of the substance****Classification according to Regulation (EC) No 1272/2008 [CLP]****Physical Hazard** : Non classification**Human Health Hazard** : Non classification**Environmental Hazard** : Non classification**Classification according to Directive 67/548/EEC [DSD]**

The product is not classified as dangerous according to Directive 67/548/EEC and its amendments

2.2 Label elements**Labeling according to Regulation (EC) No 1272/2008 [CLP/CHS] Hazard pictogram**: No Pictogram**Signal Word** : No Signal Word**Hazard Statement** : No Hazard Statement**Precautionary Statement** : Call a Poison center/doctor/physician if you fell unwell**Other hazards**: Not available**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances****Molecular formula****Chemical Name**

Fatty acids, C16-18

SynonymsHexadecanoic-
Octadecanoic Acid**Cas No**

67701-03-5

Concentration (%) EINECS No

99 266-928-5

SECTION 4 : FIRST AID MEASURES**4.1 Description of first aid measures**

Inhalation : Remove source of contamination or have victim move to fresh air. If suffocation is serious, obtain medical attention immediately.

Skin Contact : Take off immediately all contaminated clothing. Rinse skin with water/shower. Obtain medical attention if necessary.

Eye Contact : Immediately flush the contaminated eye with running water for several minutes. Obtain medical attention if necessary.

Ingestion : If swallowed, do not induce vomiting. Rinse mouth, drink plenty of water. Obtain medical attention if necessary. Never give anything by mouth to an unconscious person.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

No known significant effects or critical hazards

4.3 Indication of the immediate medical attention and special treatment needed

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatment : No specific treatment

SECTION 5 : FIRE-FIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media : Foam. Dry powder or carbon dioxide

Unsuitable extinguishing media: Not available

5.2 Specific hazard arising from the substance: Thermal decomposition may emit toxic fumes of carbon monoxide.

5.3 Advice for fire-fighters : Wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through split material. Put on appropriate personal protective equipment.

For emergency responders : Use suitable protective equipment.

6.2 Environmental precautions : Avoid dispersal of split material and runoff and contact with soil

waterways, drains and sewers.

6.3 Methods and materials for containment and cleaning up : For liquid spills, absorb with sand or other non-combustible material and transfer to container for disposal. Can also allow spillage to solidify, then sweep or shovel into container. Dispose according to local regulation

6.4 Reference to other sections: See section 1 for emergency contact information, section 7 for information. on section 8 for information on personal protective equipment, section 13 for information on disposal.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling : Avoid contact with eyes, skin, and clothing. To use gloves when handling. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities : Store in original container in a dry and well-ventilated area. Do not store near possible sources of ignition. For quality reasons, avoid elevated temperatures.

7.3 Specific end use(s): Not available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits : Not established

8.2 Exposure controls

Appropriate engineering control : No special measures required

Personal protective equipment

Eye/face Protection : Goggles or face shield with goggles, dependent upon potential exposure.

Skin Protection : Protective gloves.

Respiratory Protection : None required for ambient temperature, although an appropriate NIOSH approved air-purifying respirator should be used if a mist or vapor is generated

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 information on basic physical and chemical properties

Appearance	: Waxy, white yellowish crystalline solid
Odor	: Slight bland/ Tallow-like odor
Odour threshold	: Not available
pH	: Not applicable
Melting point	: 53 - 63°C
Boiling point	: 200-240°C @ 760 mm Hg
Flash point	: 180-202°C (ASTM D92, Cleveland open cup)
Evaporation rate	: Not applicable
Flammability (solid, gas)	: Not Flammable
Vapor pressure	: < 5.06 x 10 ⁻⁵ Pa @ 25 °C
Vapor density	: Not available

Density	: 0.85-0.90 g/cm ³ @ 20°C
Solubility	: < 0.05mg/L @ 20°C
Partition coefficient (n-octanol/water)	: 7.05-8.23
Auto-ignition temperature	: ~ 350°C
Decomposition temperature	: > 204°C
Viscosity	: 12mm ² /s @ 70°C (ASTM D445)
Explosive properties	: Not explosive
Oxidising properties	: Not an oxidising substance

9.2 Other information

No additional information

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity : None known

10.2 Chemical Stability : Stable under normal operation conditions

10.3 Possibility of hazardous : None known reaction

10.4 Condition to avoid : Overheating

10.5 Incompatible substance : Avoid strong oxidizing agents

10.6 Hazardous decomposition products : Does not decompose up to 204°C. Thermal decomposition or burning may produce carbon monoxide and /or carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological information**

Acute oral : LD50 rat > 5000mg/kg bw (OECD 401; Analogy CAS 57-10-3, CAS 57-11-4)

Dermal : LD50 rabbit > 2000mg/kg bw (Analogy CAS 57-11-4)

Inhaled : LD50 rat (4hr) > 0.152mg/L (Analogy CAS 124-07-2)

Skin corrosion/irritation: Not irritating (OECD 404; Analogy CAS 57-10-3, CAS 57-11-4)

Serious eye damage/irritation : Not irritating (OECD 405; Analogy CAS 57-10-3, CAS 57-11-4)

Skin sensitization : Not sensitizing (conclusive but not sufficient for classification)

Respiratory sensitization : No data available

Germ cell mutagenicity : Non-classification (conclusive but not sufficient for classification)

Carcinogenicity : No data available

Reproductive toxicity : Non-classification (conclusive but not sufficient for classification)

Specific target organ toxicity

-Single exposure : Non-classification (conclusive but not sufficient for classification)

-Repeated exposure : Non-classification (conclusive but not sufficient for classification)

Aspiration Hazard: Non-classification (conclusive but not sufficient for classification)

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

Fish (*Leuciscus idus*) : 48h LC50 > 1000 mg/L (DIN 38412/15)

Fish (*Danio rerio*) : 96h LC50 > 1000 mg/L (ISO 7346-1; Analogy CAS 57-10-3)

Fish (*Leuciscus idus*) : 48h LC50 > 10000 mg/L (DIN 38412/15, Analogy CAS 57-11-4)

Crustacea (*Daphia magna*) : 48h EC50 > 4.8 mg/L (OECD 202; Analogy CAS 57-10-3)

Crustacea (*Daphia magna*) : 47h EC50 > 32 mg/L (EU Method C.2; Analogy CAS 57-11-4)

Algae (*Pseudokirchneriella subcapitata*) : 72h EC50 > 0.9 mg/L (OECD 201; Analogy CAS 57-10-3)

12.2 Persistence and biodegradability : Readily biodegradable

(BODIS test; 65% degradation after 28 days; Analogy CAS 57-10-3)

(OECD 301B test; 65% degradation after 28 days;

Analogy CAS 57-11-4)

12.3 Bioaccumulative potential

BCF (28 Day) : 225 L/kg (Analogy C12 fatty acid-sodium laurate)

12.4 Mobility in soil

Log Koc : 4.12 – 4.71 (Analogy CAS 57-10-3 and 57-11-4 :
estimated by calculation base on KOCWIN programme)

12.5 Results of PBT and vPvB assessment : No PBT or vPvB substance

11.5 Other adverse effects : None known significant effects or critical hazards.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Dispose according to local regulation. Do not dispose of via sinks, drains or into the immediate environment.

SECTION 14: TRANSPORT INFORMATION

14.1 UN Number : None

14.2 UN Proper Shipping Name : None

14.3 Transport Hazard Class : Not hazardous according to RID/ADR, GGVS/GGVE, ADNR, IMDG, ICAO-TI/IATA-DGR

14.4 Packing Group : None

14.5 Environmental Hazard

Marine pollutant (Yes/No) : No**14.6 Specious precautions for user :** Not available**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code :** Category Y**SECTION 15: REGULATORY INFORMATION****15. Regulatory information****Chemical Inventory**

EU	EINECS (Existing Inventory of Existing Commercial Chemical Substances)	Listed
USA	TSCA (Toxic substances control act)	Listed
Australia	AICS (Australian Inventory Chemical Substances)	Listed
China	IECSC (Inventory of Existing Chemical Substances in China)	Listed
Korea	ECL (Existing Chemical List)	Listed
Japan	ENCS (Existing and New chemical Substances)	Listed
New Zealand	NZIoC (New Zealand Inventory of Chemicals)	Listed
Canada	DSL (Domestic Substances List)	Listed

SECTION 15: REGULATORY INFORMATION**16.1 Revision information**

Date of revision : 09.03.21

Date of previous revision : 21.02.18

16.2 Key literature references and sources for data

Fatty Acids, C16-18 (CAS 67701-03-5) Chemical Safety Report

This information is correct to the best of our knowledge, information and belief at the date of its publication. It is to be used as reference and guidance purpose only. It is not to be considered a warranty or quality specification.