

STEARIC ACID POFAC 1855

Issue date: 20 July 2020

Revision date: 20 July 2020 REVISION 1

Modifications versus revision 2 are written in blue colour.

Presentation and rules of drafting in conformity with the regulation (CE) 1907/2006 and amendments.

1. IDENTIFICATION OF THE SUBSTANCE AND COMPANIES:

REACH Registration Number: 01-2119543709-29-0004

1.1 Identification of the substance: Stearic Acid POFAC 1855

1.2 Identification of companies :

Supplier : Assistance Distribution Chimie
123 rue Marie Curie
26780 Châteauneuf-du-Rhône
Phone : +33 (0)4 75 54 35 05
E-Mail : contact@adc-chimie.com

Producer: ADC

Emergency number: ORFILA 33 (0)1 45 42 59 59

ANTI-POISON CENTERS:

Paris : 33(0) 1 40 05 48 48

Angers : 33 (0)2 41 48 21 21

Bordeaux : 33 (0)5 56 96 40 80

Lille : 0 825 812 822

Lyon : 33 (0)3 4 72 11 69 11

Marseille : 33(0) 4 91 75 25 25

Nancy : 33 (0)3 83 32 36 36

Rennes : 33 (0)2 99 59 22 22

Strasbourg : 33 (0)3 88 37 37 37

Toulouse : 33 (0)5 61 77 74 47

Toxicovigilance centers:

GRENOBLE – REIMS - ROUEN

2. HAZARDS IDENTIFICATION :

2.1 Classification according to Directive 67/548/EEC [DSD]: product not classified as dangerous.

2.2 Labelling according to Regulation (EC) No 1272/2008 [CLP/CHS]:

Precautionary statement: call a poison center/doctor/physician if you feel unwell.

3. COMPOSITION/INFORMATION ON INGREDIENTS :

CAS Number
67701-03-5

EINECS Number
266-928-5

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4. FIRST AID MEASURES :

4.1 Description of first aid measures:

4.1.1 Inhalation:

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

4.1.2 Skin contact:

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

4.1.3 Eyes contact:

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

4.1.4 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.

4.1.5 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:

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

4.3.2 Specific treatment: No specific treatment.

5. FIRE FIGHTING MEASURES:

5.1 Extinguishing media :

Dry powder – carbon dioxide (CO₂)

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.

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6. ACCIDENTAL RELEASE MEASURES:

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 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.

6.1.2 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.

See section 7 for information on safe handling.

See section 8 for information on personal protective equipment.

See section 13 for information on disposal.

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

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

8.1 Control parameters:

Occupational exposure limits: Not established

8.2 Exposure controls:

8.2.1 Appropriate engineering control: no special measures required.

8.2.2 Personal protective equipment:

- Eyes 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.

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9. PHYSICAL AND CHEMICAL PROPERTIES:

9.1 General information :

Physical form:	Solid
Form:	Powder
Colour:	White yellowish
Odor:	Slight bland/ Tallow-like odor

9.2 Important health, safety and environmental information:

pH:	Not applicable
Typical temperatures:	
	Melting point: 53-63°C
	Boiling point at 760 mmHg: 200-240°C
	Flash point: 180-202°C (ASTM D92)
	Auto-ignition temperature: >350 °C
	Decomposition temperature: >204 °C
Solubility (at 20°C):	< 0,05 mg/L
Partition coefficient (n-octanol/water):	7,05 - 8,23
Viscosity at 70°C:	12 mm ² (ASTM D445)
Explosive properties:	None
Oxidising properties:	None

10. STABILITY AND REACTIVITY:

10.1 Reactivity:

None known.

10.2 Chemical Stability:

Stable in normal conditions of use.

10.3 Possibility of hazardous reaction:

None known.

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

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11. TOXICOLOGICAL INFORMATION:

Information on toxicological information :

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

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

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

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

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

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

11.7 Respiratory sensitization: No data available

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

11.9 Carcinogenicity: No data available

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

11.11 Specific target organ toxicity

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

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

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

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.

12.6 Other adverse effects:

None known significant effects or critical hazards.

13. DISPOSAL CONSIDERATION:

Waste treatment methods:

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

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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 Packaging 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

15. REGULATORY INFORMATION :

15.1 EU :

Listed in EINECS (Existing Inventory of Existing Commercial Chemical Substances)

15.2 USA:

Listed in TSCA (Toxic substances control act)

15.3 Australia:

Listed in AICS (Australian Inventory Chemical Substances)

15.4 China:

Listed in IECSC (Inventory of Existing Chemical Substances in China)

15.5 Korea:

Listed in ECL (Existing Chemical List)

15.6 Taiwan:

Listed in TCSI (Taiwan Chemical Substance Inventory)

16. OTHER INFORMATION:

R-phrases: none

S-phrases: none

This MSDS completes the technical data sheet but does not replace it. The information provided in this Safety Data Sheet is correct to the best of our knowledge information and belief at the date of its revision. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, distribution, uses and cleaning, disposal and release in a security state and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process unless specified in the text.

We caution the users to the incurred possible risks when the product is used at other ends than the use for which it is planned.

It exempts under no circumstances the user from knowing and applying all the texts regulating its activity. The user will take under its only responsibility the precautions linked to the use which he makes of the product.

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