



SAFETY DATA SHEET FOR STEARINE

1855

Date of printing: 3 February 2021 Date

of revision: 20 July 2020

Presentation and drafting rules in accordance with Regulation (EC) No 1907/2006 and its annexes.

1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY:

REACH Registration Number: 01-2119543709-29-0004

1.1 Substance identification: Stearin

1.2 Supplier: ADC

123 Rue Marie Curie - 26780 Châteauneuf-du-Rhône

Tel: +33 (0)4 75 54 35 05

Email: contact@adc-solution.com

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

CONTROL CENTRES:

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

Poison Control Centres: GRENOBLE – REIMS – ROUEN

Active

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2. IDENTIFICATION OF HAZARDS:

2.1 Classification in accordance with Directive 67/548/EEC [DSD]: product not classified as hazardous.

2.2. Labelling in accordance with Regulation (EC) No 1272/2008 [CLP/CHS]:

Precautionary statement: call a poison control centre / doctor if you feel unwell.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

CAS No.

EINECS No.

67701-03-5

266-928-5

4. FIRST AID:

4.1 First aid description:

4.1.1 Inhalation:

Remove the source of contamination or move the victim to fresh air. If choking is severe, seek medical attention immediately.

4.1.2 Skin contact:

Remove all contaminated clothing immediately. Rinse the skin with water or take a shower. Seek medical attention if necessary.

4.1.3 Eye contact:

Immediately rinse the affected eye with running water for several minutes. Seek medical attention if necessary.

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4.1.4 Ingestion:

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

4.1.5 Protection of first aiders:

No action involving personal risk or undertaken without appropriate training should be taken.

4.2 Most significant acute and delayed symptoms and effects:

No significant effects or critical hazards.

4.3 Indication of immediate medical attention and specific treatment required:

4.3.1 Advice to the doctor: Treat symptomatically. Contact a poison control centre 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 hazards arising from the substance:

Thermal decomposition may release toxic carbon monoxide fumes

5.3 Advice to firefighters:

Wear appropriate protective equipment and a self-contained breathing apparatus (SCBA) with a full-face mask in positive pressure mode.

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6. MEASURES TO BE TAKEN IN THE EVENT OF ACCIDENTAL RELEASE:

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

No action should be taken that involves personal risk or without appropriate training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Wear personal protective equipment.

6.1.2 For first-aiders:

Wear suitable protective equipment.

6.2 Environmental precautions:

Prevent spillage of materials, as well as runoff and any contact with the ground, waterways, drains and sewers.

6.3 Containment and clean-up methods and materials:

For liquid spills, absorb with sand or another non-combustible material and transfer to a container for disposal.

The spill may also be allowed to solidify, then swept or shovelled into the container. Dispose of in accordance with local regulations.

6.4 Reference to other sections:

See section 1 for emergency contact details.

See Section 7 for information on safe handling.

See Section 8 for information on personal protective equipment. See Section 13 for information on disposal.

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7. HANDLING AND STORAGE:

7.1 Precautions for safe handling:

Avoid contact with eyes, skin and clothing. Wear gloves when handling. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities: Store in the original container in a dry, well-ventilated place. Do not store near potential sources of ignition.

To ensure quality, avoid high 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 controls: No specific measures are required.

8.2.2 Personal protective equipment:

- Eye protection: Goggles or a face shield with goggles, depending on potential exposure.
- Skin protection: Protective gloves
- Respiratory protection: None required at ambient temperature, although a suitable NIOSH-approved air-purifying respirator must be used if mist or vapour is generated
- Environmental exposure controls: Emissions from ventilation or work equipment

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must be monitored to ensure they comply with environmental protection legislation.

9. PHYSICAL AND CHEMICAL PROPERTIES:

9.1 General information:

Physical state:	Solid
Form:	Powder
Colour:	Yellowish white
Odour:	Slight bland/tallow-like odour

9.2 Important health and environmental information:

pH:	Not applicable	
Typical temperatures:	Melting point:	53–63°C
	Boiling point at 760 mmHg:	200–240 °C
	Flash point: (ASTM D92)	180–202 °C
	Auto-ignition temperature:	>350 °C
	Decomposition temperature:	>204 °C
Solubility (at 20°C):	< 0.05 mg/L	
n-octanol/water partition coefficient:	7.05 – 8.23	
Viscosity at 70°C:	12 mmZ (ASTM D445)	
Explosive properties:	None	
Oxidising properties:	None	

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10. STABILITY AND REACTIVITY:

10.1 Reactivity: None known

10.2 Chemical stability: Stable under normal conditions of use.

10.3 Possibility of hazardous reactions: None known

10.4 Conditions to avoid: Overheating the product.

10.5 Incompatible substances: Avoid strong oxidising agents.

10.6 Hazardous decomposition products:

The product does not decompose above 204 °C. Thermal decomposition or combustion may produce carbon monoxide and/or carbon dioxide.

11. TOXICOLOGICAL INFORMATION:

Information on toxicological data:

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

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

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

11.4 Skin corrosion / skin irritation: Non-irritant (OECD 404; Analogy CAS 57-10-3, CAS 57-11-4)

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

11.6 Skin sensitisation: Non-sensitising (conclusive but insufficient for classification)

11.7 Respiratory sensitisation: No data available

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11.8 Germ cell mutagenicity: Not classified (conclusive but insufficient for classification)

11.9 Carcinogenicity: No data available

11.10 Reproductive toxicity: Not classified (conclusive but insufficient for classification)

11.11 Specific target organ toxicity:

- Single exposure: Not classified (conclusive but insufficient for classification)

- Repeated exposure: Not classified (conclusive but insufficient for classification)

11.12 Aspiration hazard: Not classified (conclusive but insufficient 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 > 10,000 mg/L (DIN 38412/15, Analogy CAS 57-11-4)

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

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

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

12.2 Persistence and biodegradability:

Readily biodegradable

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

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(OECD 301B test; 65% degradation after 28 days; CAS 57-11-4 analogue)

12.3 Bioaccumulation potential: BCF (28 days): 225 L/kg (analogue C12 fatty acid-sodium laurate)

12.4 Soil mobility: Log Koc: 4.12–4.71

(Analogy with CAS 157-10-3 and 157-11-4: estimated using the KOCWIN programme)

12.5 Results of PBT and vPvB assessments:

No PBT or vPvB substances.

12.6 Other adverse effects:

No significant effects or critical hazards known.

13. DISPOSAL CONSIDERATIONS:

Waste treatment methods:

Dispose of in accordance with local regulations. Do not dispose of via sinks, drains or into the immediate environment.

14. TRANSPORT INFORMATION:

14.1 UN Number: None

14.2 UN shipping name: None

14.3 Transport hazard class: Non-hazardous according to RID / ADR, GGVS / GGVE, ADN, IMDG, ICAO-TI / IATA-DGR

14.4 Packing group: None

14.5 Environmental hazard Marine pollutant (Yes / No): No

14.6 Special precautions to be taken by the user: Not available

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14.7 Bulk transport in accordance with 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 United States: Listed in TSCA (Toxic Substances Control Act)

15.3 Australia: Listed in the AICS (Australian Inventory of Chemical Substances)

15.4 China: Listed in the 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 DATA:

R-phrases: none S-

phrases: none

17. OTHER INFORMATION:

Recommended restriction on the use of this product: no restrictions when used as intended.

This sheet supplements the technical data sheets but does not replace them. The information contained herein is based on our current knowledge of the product in question as at the date indicated. It is provided in good faith. This information is provided for guidance only to enable safe handling, manufacture, storage, transport, distribution, supply, use and disposal, and should not be interpreted as a guarantee or regarded as quality specifications.

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Furthermore, this information relates solely to the product specifically named and, unless otherwise specifically stated, it may not apply where the product in question is mixed with other substances or used in any manufacturing process. Users' attention is also drawn to the risks that may be incurred when a product is used for purposes other than those for which it is designed.

It does not in any way exempt the user from the obligation to be familiar with and comply with all regulations governing their activity. The user shall, under their sole responsibility, take the necessary precautions relating to their use of the product.

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