

1. PRODUCT AND COMPANY IDENTIFICATION

| | | |
|------------------------|---|--|
| Product name | : | Stearic Acid (Triple Pressed) Raw Material. |
| Synonyms | : | 1-heptadecanecarboxylic acid, octadecanoic acid, n-octadecanoic acid |
| INCI name | : | Stearic Acid |
| CAS # | : | 57-11-4 |
| Country of Origin | : | Malaysia |
| EINECS # | : | 200-313-4 |
| Product use | : | Domestic and Industrial |
| Supplier | : | New Directions Aromatics Inc. |
| Address | : | 6781 Columbus Road, Mississauga, Ontario, CANADA L5T 2G9 |
| Fax | : | 905-362-1926 |
| Telephone number | : | 905-362-1915 |
| Emergency phone number | : | (613)-996-6666 CANUTEC 24 HOUR EMERGENCY |

2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Not classified as hazardous or dangerous under (EC) No 1272/2008, 67/548/EEC or 1999/45-EC.

GHS Label elements, including precautionary statements

Signal: Not applicable

Hazard statement(s)

Not applicable.

Precautionary statement(s)

Not applicable.

3. COMPOSITION / INFORMATION INGREDIENTS

| Product Name | CAS NO | EC NO | Concentration |
|--------------------|----------|-----------|---------------|
| Tetradecanoic Acid | 544-63-8 | 205-582-1 | <= 3 % |
| Hexadecanoic Acid | 57-10-3 | 200-312-9 | 52 - 56 % |
| Octadecanoic Acid | 57-11-4 | 200-313-4 | 42 - 47 % |

4. FIRST AID MEASURES

Eye contact

Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

Skin contact

Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

Inhalation

If inhaled, removed to fresh air. Get medical attention if symptoms appear.

Ingestion

Seek medical attention or contact local poison control center.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Foam. Dry Powder. Carbon dioxide.

Unsuitable extinguishing media

Water spray, water jet.

Special protective equipment and precautions for fire-fighters

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or its combustible products

Hazardous decomposition products may be formed at extreme heat or if burned.

Resulting gases

Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

Equip clean crew with proper protection. Respiratory protection equipment may be necessary.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and materials for containment and cleaning up

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

7. HANDLING AND STORAGE

Precautions for safe handling

No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

Conditions for safe storage, including any incompatibilities

Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes

Use tightly sealed goggles.

Skin

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|-------------------------------|---|---|
| Appearance | : | Waxy, white Crystalline Flakes/ Beads.. |
| Odor | : | Odorless. |
| Melting Point/Freezing Point | : | about 56°C. |
| Initial b.p and boiling range | : | > 350°C. |
| Flash point | : | > 200 °C (Closed cup). |
| Relative density | : | about 0.85 g/ml @70°C. |
| Solubility (ies) | : | Insoluble in water. |

10. STABILITY AND REACTIVITY

Reactivity

This material presents no significant reactivity hazard.

Chemical stability

Chemically stable.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

Avoid sparks, flame and other heat sources.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon Oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 Oral 2000-6000 mg/kg bw [Rat]

LD50 Dermal >2000 mg/kg bw LC50 [Rabbit]

Inhalation >0.621 mg/L air, Duration: 4hrs [Rat]

Inhalation

May cause irritation of nose, throat and respiratory tract.

Skin contact

May cause skin irritation with prolonged or repeated exposure. Avoid skin contact.

Eye contact

Slightly hazardous in case of skin contact (irritant).

Possible irritation should be prevented by wearing safety glasses.

12. ECOLOGICAL INFORMATION

Ecotoxicity

LC50 Fish: 10g/L (exposure time: 48 hours), Species: Leuciscus idus EC50 Aquatic Invertebrate 4.8mg/L (exposure time: 48 hours), Species: Daphnia magna EC50 Algae 900 ug/L (exposure time: 72 hours), Species: Pseudokirchneriella subcapitata. EC10 Microorganism 883 mg/L (exposure time: 18hours), Species: Pseudomonas putida

Persistence and degradability

Biodegradable.

Bio - accumulative potential

Not available.

Mobility in soil

Not available.

Other adverse effects

Not available.

13. DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

14. TRANSPORT INFORMATION

US DOT Shipping Description (Land)

Not regulated

IMO-IMDG Shipping Description (Sea)

Not regulated

IATA Shipping Description (Air)

Not regulated

15. REGULATORY INFORMATION

DSL / NDSL

This product or all of its components are currently listed on the Domestic Substance List (DSL), as described under the Canadian Environmental Protection Act.

16. OTHER INFORMATION

Revision date : September 27, 2021

Disclaimer & Caution

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