
MATERIAL SAFETY DATA SHEET

Issue date: June 30, 2017

1. IDENTIFICATION OF THE SUBSTANCE

Product Name: Octadecanedioic acid mono-methyl ester

Cas. No.: 72849-35-5

Cat. No.: 52210

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2. COMPOSITION

Substance: Octadecanedioic acid mono-methyl ester

Synonyms: 18-methoxy-18-oxooctadecanoic acid, Octadecanedioic acid 1-methyl ester,

Purity: 95.0%

Mol. Formula: C₁₉H₃₆O₄

Mol. Weight: 328.49

Description: Octadecanedioic acid mono-methyl ester is a Long chain fatty acid derivative by chemical synthesis, it may be useful for developing stabilized peptide analogues.

3. HAZARD IDENTIFICATION

May cause irritation to eyes, respiratory tract and skin. This product has not undergone comprehensive hazard assessment

4. FIRST AID MEASURES

Remove patients from the danger zone. Take off, remove and destroy soiled clothing and footwear immediately.

Upon inhalation: Give access to fresh air and if necessary, administer mouth-to-mouth resuscitation while protecting yourself. Keep patient warm and seek medical advice.

After contact with eyes: Immediately rinse carefully and thoroughly with water and seek medical advice.

After contact with skin: Immediately wash with plenty of water and seek medical advice.

5. FIRE-FIGHTING MEASURES

Fight fire in early stages if safe to do so.

Extinguishing media:

sprayed water jet, water mist, foam, dry powder, CO₂

In case of fire, possible formation of poisonous gases.

Wear self-sustained respirator (e.g. compressed air respirator).

6. ACCIDENTAL RELEASE MEASURES

Remove sources of ignition. Prevent material from entering drains and lower-lying rooms.

Carefully sweep up residue, place in a suitable container and dispose of this in accordance with the regulations.

Wear protective equipment breathing apparatus, rubber gloves, safety glasses & protective footwear.

7. HANDLING AND STORAGE

Use in a well-ventilated room (with air inflow and outflow). Do not breathe dust. Do not allow material to come into contact with eyes, skin or clothing. Avoid extended or repeated exposure.

Do not empty into drains or waters. Keep away from sources of ignition - No smoking. Keep away from food and drink.

Store in a sealed container at -20°C or less with desiccant.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection: Suitable respiratory equipment or breathing apparatus with separate air supply

Eye protection: Chemical safety goggles

Hand protection: Suitably compatible chemically resistant rubber gloves

Do not eat, drink or smoke at work. Wash hands before and after laboratory work.

Soiled clothing and footwear must be taken off at once and removed from room. Destroy contaminated shoes and gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Solid

Color: Whit to slight yellow

Solubility: Soluble in DMF, DMSO,

10. STABILITY AND REACTIVITY

Thermal decomposition: Material will not decompose if stored according to recommended storage conditions.

Conditions to avoid: moisture, strong oxidizing agents

Hazardous decomposition products: Carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxides

11. TOXICOLOGICAL INFORMATION

To the best of our knowledge, the chemical, physiological and toxicological effects of this material have not been fully investigated.

May be harmful in contact with the skin, eyes or respiratory tract.

May cause irritation.

Exposure routes: The eyes, skin and mucous membranes are particularly at risk. Avoid contact.

Sensitization: Unknown

12. ECOTOXICOLOGICAL INFORMATION

No data available. Do not allow to escape into waters, waste water or soil.

13. DISPOSAL CONSIDERATIONS

Consult local, state or national regulations to ensure proper disposal.

14. TRANSPORT INFORMATION

ADR/RID: Non-hazardous for road transport.

IMDG: Non-hazardous for sea transport.

IATA: Non-hazardous for air transport.

15. REGULATORY INFORMATION

Hazard Symbols: Xi

R-phrases 36/37/38 Irritating to eyes respiratory system and skin

S-phrases 26-36 In case of contact with eyes, skin, rinse immediately with plenty of water, seek medical advice. Wear suitable protective equipment.

16. OTHER INFORMATION

Warranty: This information is believed to be correct at the time of issue of this MSDS but is not considered to be all inclusive and should only be used as a guide. An independent assessment of the suitability of this information should be made to ensure that the health and safety of employees is maintained.

Disclaimer: Not for drug or household use. For research and development purposes only.