



Safety Data Sheet

according to 1907/2006/EC, Article 31, amended by
Regulation (EU) No. 453/2010

MF Eco

Date: 23/06/2021

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Trade Name: MF Eco

INCI Name: Sodium Stearoyl Lactylate

Chemical Name: Octadecanoic acid, 2-(1-carboxyethoxy)-1-methyl-2-oxoethyl ester, sodium salt.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Industrial use.

Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet

Naturall Balmy Ltd

8 Benson Road

Nuffield Industrial Estate

Poole

BH17 0GB

Tel: +44 (0)1202 567046

Email: sales@naturallybalmy.co.uk

1.4 Emergency telephone number

Telephone: +44 (0)1202 567046

Email: sales@naturallybalmy.co.uk

2. Hazards Identification

2.1 Classification of the substance or mixture

The product has not been classified as hazardous according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended: Not classified.

2.2 Label elements

Not applicable.

2.3 Other hazards

None known.

3. Composition/Information on ingredients

Chemical Name: Octadecanoic acid, 2-(1-carboxyethoxy)-1-methyl-2-oxoethyl ester, sodium salt.

3.1 Substances

General information: No hazardous ingredients.

Chemical name: Sodium 2-stearoyllactate.

CAS No.: 25383-99-7

EC No.: 246-929-7

REACH No.: 01-2120779437-39-0002

3.2 Mixtures

4. First Aid Measures

General: Removed soiled or soaked clothing immediately.

4.1 Description of first aid measures

Inhalation: Ensure supply of fresh air. In the event of symptoms seek medical advice.

Skin Contact: In case of contact with skin wash off immediately with soap and water. In the event of symptoms seek medical advice.

Eye Contact: In case of contact with eyes rinse thoroughly with water. In the event of symptoms seek medical advice.

Ingestion: Thoroughly clean the mouth with water. Do not induce vomiting. In the event of symptoms seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No special hints.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: No data available.

Treatment: Treat symptomatically.

5. Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media: Foam, carbon dioxide, dry powder, water spray.

Unsuitable extinguishing media: Full water jet.

5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released: - carbon dioxide, carbon monoxide. Under certain conditions of combustion traces of other toxic substances cannot be excluded.

5.3 Advice for firefighters

Special fire fighting procedures: Keep away from sources of ignition.

Special protective equipment for fire-fighters: Do not inhale explosion and/or combustion gases. Self-contained breathing apparatus.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

For non-emergency personnel: No data available.

For emergency personnel: No data available.

6.2 Environmental precautions

Do not discharge into the subsoil/soil. Do not allow to enter drains or waterways.

6.3 Methods and material for containment and cleaning up

Pick up mechanically. Dispose of absorbed material in accordance with the regulations.

6.4 Reference to other sections

For further information on exposure monitoring and disposal see section 8 and 13.

7. Handling and Storage

7.1 Precautions for safe handling

Do not inhale dust/fumes/aerosols. Avoid contact with skin and eyes. No special measures necessary if stored and handled as prescribed.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from oxidizing agents and strongly acid or alkaline materials. Keep container tightly closed in cool, well-ventilated place. Protect from heat and direct sunlight. Do not store < 5°C. Do not keep at temperatures above 30 °C.

7.3 Specific end use(s)

No further recommendations.

8. Exposure Controls/Personal Protection

8.1 Control parameters

Occupational exposure limit values: None of the components have assigned exposure limits.

DNEL – Values

Remarks: No DNEL/DMEL values on file.

PNEC- Values

Remarks: No PNEC values on file.

8.2 Exposure controls

Appropriate Engineering Controls: No data available.

Individual protection measures, such as personal protective equipment

Eye/face protection: Tightly fitting safety goggles.

Hand protection: Additional information: The protective gloves to be worn must satisfy the specifications of EC Guideline 89/686/EEC and the resulting Standard EN374.

Skin and Body Protection: protective clothing.

Respiratory protection: In case of formation of vapours/aerosols: short term: filter apparatus, Filter A-P2.

Hygiene measures: Do not eat, drink or smoke when working. Wash hands before breaks and immediately after handling the product. Remove soiled or soaked clothing immediately.

Environmental exposure controls: The environmental regulations on the control and monitoring of environmental exposures are to be observed.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:

Physical state: Solid.

Form: Powder.

Colour: Whitish.

Odour: Characteristic.

Odour Threshold: Not measured.

pH: 7

Melting Point: ca 52°C

Boiling Point: Not measured.

Flash Point: Not measured.

Evaporation Rate: Not measured.

Flammability (solid, gas): Not measured.

Flammability Limit – Upper (%): Not measured.

Flammability Limit – Lower (%): Not measured.

Vapour pressure: Not measured.

Vapour density (air=1): Not measured.

Density: No data available.

Relative density: Not measured.

Solubility(ies):

Solubility in Water: Partly soluble.

Solubility (other): Not measured.

Partition coefficient: n-octanol/water: No data available.

Self Ignition Temperature: Not measured.

Decomposition Temperature: Not measured.

Kinematic viscosity: No data available.

Dynamic viscosity: No data available.

9.2 Other information

Explosive properties: Not applicable.

Oxidising properties: Not applicable.

Minimum ignition temperature: No data available.

Metal Corrosion: No data available.

10. Stability and Reactivity

10.1 Reactivity

See section “Possibility of hazardous reactions”.

10.2 Chemical stability

The product is stable under normal conditions.

10.3 Possibility of hazardous reactions

Exothermic reaction with: strong oxidants, strong bases, strong acids.

10.4 Conditions to avoid

To avoid thermal decomposition, do not overheat.

10.5 Incompatible materials

Unknown.

10.6 Hazardous decomposition products

May be released in case of fire: carbon monoxide and carbon dioxide.

11. Toxicological Information

Information on likely routes of exposure

Inhalation: If handled correctly, not a relevant route of exposure. Information on effects is given below.

Skin Contact: Relevant route of exposure. Information on effects is given below.

Eye Contact: Relevant route of exposure. Information on effects is given below.

Ingestion: If handled correctly, not a relevant route of exposure. Information on effects is given below.

11.1 Information on toxicological effects

Acute toxicity

Oral

Product: (Rat) > 25000 mg/kg literature.

Dermal

Product: (Rabbit) > 5000 mg/kg literature.

Inhalation

Product: No data available.

Repeated dose toxicity

Product: No data available.

Skin corrosion/Irritation

Product: Slightly irritant. Based on available data, the classification criteria are not met.

Serious Eye Damage/Eye Irritation

Non-irritant.

Irritation

Product: (Rabbit): non irritant.

Respiratory or Skin Sensitisation

Non-sensitizing.

Product: Non-sensitizing.

Germ Cell Mutagenicity

In Vitro

Product: No data available.

In Vivo

Product: No data available.

Carcinogenicity

Product: No data available.

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration hazard

Product: No data available.

Other adverse effects: Proper use provided, no adverse health effects have been observed or have been come to our knowledge.

12. Ecological Information

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Aquatic Invertebrates

Product: EC50 (Daphnia magna, 48h): 60 mg/l (OECD 202) Value relates to a similar product.

Toxicity to Aquatic Plants

Product: No data available.

Toxicity to microorganisms

Product: No data available.

Chronic Toxicity

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

12.2 Persistence and degradability

Biodegradation

Product: Readily biodegradable.

BOD/COD Ratio

Product: No data available.

12.3 Bioaccumulative potential

Product: No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

This substance / mixture contains no components considered to be either persistent., bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

The product is classified as slightly hazardous to waters (according to the German Regulation on the

Classification of Substances Hazardous to waters (WwSV). Do not allow to enter soil, waterways or waste water canal.

13. Disposal Considerations

13.1 Waste treatment methods

General information: No data available.

Disposal methods: In accordance with local authority regulations, take to special waste incineration plant.

Contaminated Packaging: If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

14. Transport Information

14.1 UN number

Not regulated as a dangerous good.

14.2 UN proper shipping name

Not regulated as a dangerous good.

14.3 Transport hazard class(es)

Not regulated as a dangerous good.

14.4 Packing group

Not regulated as a dangerous good.

14.5 Environmental hazards

Not regulated as a dangerous good.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable for product as supplied.

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I: Not applicable.

National regulations: -

15.2 Chemical safety assessment

No chemical safety assessment was carried out for this product.

16. Other Information

Abbreviations and acronyms

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road;

AND – European Agreement concerning the International Carriage of Dangerous Goods by Inland

Waterways; AGW- Occupational exposure limit, ASTM – American Society for Testing Materials; AwSV – Ordinance on facilities for handling substances that are hazardous to water; BSB – Biochemical oxygen demand; c.c. – closed cup; CAS - Chemical Abstracts Service; CESIO – European Committee of Organic Surfactants and their Intermediates; CSB – Chemical oxygen demand, DMEL – Derived minimum effect level; DNEL - Derived No Effect Level; EbC50 – median concentration in terms of reduction of growth; EC – Effective concentration; EINECS: European Inventory of Existing Commercial Chemical Substances; EN – European norm; ErC50 – median concentration in terms of reduction of growth rate; GGVSEB – German ordinance for road, rail and inland waterway transportation of dangerous goods; GGVSee - German ordinance for sea transportation of dangerous goods; GLP – Good Laboratory Practice; GMO – Genetic Modified Organism; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; ISO - International Organisation For Standardization; LD/LC - lethal dosis/concentration; LOAEL – Lowest observed adverse effect level; LOEL – Lowest observed effect level; M-factor – multiplying factor; NOAEL – No observed adverse effect level; NOEL – No observed effect level; o.c. – open cup; OECD - Organisation for Economic Cooperation and Development; OEL – Occupational Exposure Limit; PBT – Persistent, bioaccumulative, toxic; PNEC - Predicted No Effect Concentration; REACH - REACH registration; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SVHC – Substances of Very High Concern; TA – Technical Instructions; TRGS – Technical Rules for Hazardous Substances; vPvB – very persistent, very bioaccumulative; WGK - Water Hazard Class

Key literature references and sources for data: No data available.

Wording of the H-statements in section 2 and 3: None.

Training information: Comply with national laws regulating employee instruction.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The information contained in this SDS is accurate to the best of our knowledge and has been obtained from a variety of sources. No liability can be accepted arising out of the use, application or processing of this product. It is the users' responsibility to determine the safe conditions for the use of this product.

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