

Section 1. Product and Company Identification

Product Name Sodium Methyl Oleoyl Taurate
CAS Number 137-20-2

Parchem - fine & specialty chemicals

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Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture according to NBR 14725-2

Acute aquatic toxicity, Category 3 H402: Harmful to aquatic life.

Skin irritation, Category 2 H315: Causes skin irritation.

Serious eye damage, Category 1 H318: Causes serious eye damage.

GHS Label Elements

Pictograms:



Signal word: DANGER

Hazard and precautionary statements

Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

H402 Harmful to aquatic life.

Precautionary statements

Prevention

P280 Wear protective gloves/ eye protection/ face protection.

Response

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Disposal

P501 Dispose of contents/ container to an approved incineration plant.

Other hazards which do not result in classification

Divided solid.

May form explosive dust-air mixture.

Electrostatic charges may be generated as a result of flow, stirring, etc.

Electrostatic charges may build up by swirling, pneumatic transport, pouring, etc.

Hazardous reactions may occur on contact with certain chemicals. (Refer to the list of incompatible materials section 10: "Stability-Reactivity").

Section 3. Composition / Information on Ingredients

Common

Name Sodium Methyl Oleoyl Taurate
Synonym(s) Sodium 2-[Methyloleoylamino]Ethane-1-Sulfonate;
 Ethanesulfonic acid, 2-[Methyl[(9Z)-1-oxo-9-Octadecenyl]amino]-, Sodium Salt
CAS Number 137-20-2

COMPONENT	CAS NUMBER	CONCENTRATION
Sodium Methyl Oleoyl Taurate	137-20-2	70 – 80%
Sodium Chloride	7647-14-5	10 – 20%
N-Methyltaurine	107-68-6	1 – 5%
Sodium N-methyltaurinate	4316-74-9	1 – 5%

Section 4. First Aid Measures

Description of first-aid measures

General advice: Show this safety data sheet to the doctor in attendance. First aider needs to protect himself. Place affected clothing in a sealed bag for subsequent decontamination.

Inhalation: Move to fresh air. Keep at rest. Consult a physician.

Skin contact: Take off contaminated clothing and shoes immediately. Wash off with plenty of water. Wash off immediately with plenty of water for at least 15 minutes. Call a physician if irritation develops or persists.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get immediate medical advice/ attention.

Ingestion: Do NOT induce vomiting. Do not give anything to drink. Obtain medical attention.

Most important symptoms and effects, both acute and delayed: no data available

Indication of any immediate medical attention and special treatment needed: no data available

Section 5. Firefighting Measures

Extinguishing media

Suitable extinguishing media: Water spray; Foam; Carbon dioxide (CO₂); Multi-purpose powders



Unsuitable extinguishing media: High volume water jet

Special hazards arising from the substance or mixture

Specific hazards during firefighting: Risk of dust explosion.

On combustion, toxic gases are released.

Advice for firefighters

Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Further information: Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Remove all sources of ignition. Do not breathe dust. Avoid contact with eyes Use personal protective equipment. Safety glasses. Face-shield. Wear suitable gloves. Wear respiratory protection. Stop leak if safe to do so.

Environmental precautions: no data available

Methods and materials for containment and cleaning up

Recovery: Shovel or sweep up. Keep in suitable, closed containers for disposal.

Decontamination/cleaning: Pick up contaminated soil.

Clean contaminated floors and objects thoroughly while observing environmental regulations. Pick up and transfer to properly labelled containers. Keep in suitable, closed containers for disposal.

Disposal: Dispose of in accordance with local regulations.

Additional advice: Material can create slippery conditions. Forms slippery/greasy layers with water.

Reference to other sections: No data available

Section 7. Handling and Storage

Precautions for safe handling

Technical measures: Provide sufficient air exchange and/or exhaust in work rooms.

Earth the equipment.

Advice on safe handling and usage: Prevent the build-up of electrostatic charge. Avoid dust formation. Keep away from fire, sparks and heated surfaces. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Handle in accordance with good industrial hygiene and safety practice.



Conditions for safe storage, including any incompatibilities

Technical Measures for storage: Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.

Storage conditions

Recommended: Stable under normal conditions. Protect from moisture. Keep in a dry, cool and well-ventilated place.

To be avoided: Store away from heat.

Incompatible products: Strong oxidizing agents; Strong reducing agents.

Packaging Measures

Packaging Conditions: Store in original container.

Packaging Materials - Recommended: Coated steels.

Section 8. Exposure Controls / Personal Protection

Control parameters: We are not aware of any national exposure limit.

Exposure controls

Control measures

Engineering measures: Extract at emission point. Effective ventilation in all processing areas

Personal protective equipment

Respiratory protection: In the case of dust or aerosol formation use respirator with an approved filter.

Hand protection: Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves must be inspected prior to use. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection: Tightly fitting safety goggles

Skin and body protection: Protective suit

Hygiene measures: Emergency equipment immediately accessible, with instructions for use. Ensure that eyewash stations and safety showers are close to the workstation location. Wash hands before breaks and at the end of workday.

Protective measures: Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards and/or risks that may occur during use.

Section 9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance: Powder

Physical state: Solid

Color: Yellowish

Odor: Characteristic

Odor Threshold: No data available

pH: ca. 7.0 (2 % (m/v)) (Aqueous suspension)

Melting point/range: ca. 170 °C

Flash point (Closed Cup): ca. 100°C

Evaporation rate: No data available

Flammability (solid, gas): No data available

Flammability/Explosive limit: No data available

Auto-ignition temperature: No data available

Vapor pressure: No data available

Vapor density: No data available

Bulk density: 600 kg/m³

Water solubility: Soluble

Solubility in other solvents

Common organic solvents: Insoluble

Common organic solvents: Partly soluble

Partition Coefficient (n-Octanol/water): No data available

Thermal decomposition: > 180°C

Viscosity: No data available

Explosive properties: No data available

Oxidizing properties: No information available.

Other Information: No information available

Section 10. Stability and Reactivity

Reactivity: No data available

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No data available

Conditions to avoid: No data available

Incompatible materials

Materials to avoid: Strong oxidizing agents; Strong reducing agents.

Hazardous decomposition products: On combustion or on thermal decomposition (pyrolysis) releases: (Carbon oxides (CO + CO₂)); nitrogen oxides (NO_x); Sulfur oxides

Section 11. Toxicological Information

Information on toxicological effects

Acute toxicity

Acute oral toxicity: LD50: 5.190 mg/kg
Unpublished internal reports

Acute inhalation toxicity: no data available

Acute dermal toxicity: LD50: > 2.000 mg/kg - rat
Unpublished reports

Acute toxicity (other routes of administration): no data available

Skin corrosion/irritation

Skin irritation

Irritating to skin.
According to the data on the components
Internal evaluation
According to the classification criteria for mixtures

Serious eye damage/eye irritation

Eye irritation

Risk of serious damage to eyes.
Severe eye irritation
According to the data on the components
internal evaluation
According to the classification criteria for mixtures.

Respiratory or skin sensitization

Sensitization: No information available.

Mutagenicity

Genotoxicity in vitro: Unpublished internal reports
Genotoxicity in vivo: No information available.

Carcinogenicity

Carcinogenicity: No data available

Toxicity for reproduction and development

Toxicity to reproduction/Fertility: No data available

Developmental Toxicity/Teratogenicity: No data available



STOT

STOT - Single exposure: No data available

STOT - Repeated exposure: No data available

Aspiration toxicity: No data available

Section 12. Ecological Information

Toxicity

Ecotoxicity assessment

Acute aquatic toxicity

According to the data on the components.

Harmful to aquatic organisms.

Published data

Persistence and degradability

Biodegradability: Ultimate aerobic biodegradability.

Readily biodegradable.

According to the data on the components.

Published data

Bioaccumulative potential

Partition coefficient: n-octanol/water: According to the data on the components

Not potentially bioaccumulable

Structure-activity relationship (SAR)

Mobility in soil

Known distribution to environmental compartments

Ultimate destination of the product: Water

Results of PBT and vPvB assessment: no data available

Other adverse effects

Environment assessment: Not classified as Dangerous for the Environment, according to EC criteria

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

ANTT: Not regulated

DOT: Not regulated



TDG: Not regulated
RID: Not regulated
ADR: Not regulated
IMDG: Not regulated
IATA: Not regulated

Section 15. Regulatory Information

Safety, health, and environmental regulations/legislation specific for the substance or mixture: no data available

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 8/19/2015

