

Safety Data Sheet

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Version 1

1. Identification

Product Name	AA Mild
CAS No.	137-16-6
Product Type	Surfactant
Recommended Use	Cosmetics, personal care products
INCI Name	Aqua and Sodium Lauroyl Sarcosinate

2. Hazard Identification

Classification	Acute toxicity, Category 4 H332: Harmful if inhaled. Eye irritation, Category 2 H319: Causes serious eye irritation.
Signal Word	WARNING
Hazard Statements	H332 Harmful if inhaled H319 Causes serious eye irritation.
Hazard Pictograms	Warning
Precautionary Statements - Prevention	P280 Wear protective gloves/ eye protection/ face protection. P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P271 Use only outdoors or in a well-ventilated area.
Precautionary Statements - Response	P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304 + P340 P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
Precautionary Statements - Storage	None
Precautionary Statements - Disposal	None

Hazard not otherwise classified (HNOC)	None
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3. Composition / Information on Ingredients

Chemical Name	CAS No EC No Registration Number	Classification (67/548/EEC) (REGULATION (EC) No 1272/2008)	Weight %
Sodium N-lauroylsarcosinate	137-16-6 205-281-5 01-2119527780-39-0000	T; R23 Xi; R41 Xi; R38 Acute Tox. 2; H330 Skin Irrit. 2; H315 Eye Dam. 1; H318	>= 30 - < 35

4. First Aid Measures

First aid measures for different exposure routes

Eye Contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Skin Contact	In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If symptoms persist, call a physician.
Ingestion	If swallowed, call a poison control centre or doctor immediately.
Inhalation	If breathed in, move person into fresh air. If symptoms persist, call a physician.
Most important symptoms/ effects, acute and delayed	None known.

Indication of immediate medical attention and special treatment needed, if necessary:

Notes to Physician	Treat symptomatically.
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5. Firefighting Measures

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media	High volume water jet
Special Hazard	After evaporation of water, combustion will generate: Carbon oxides Nitrogen oxides (NOx) Do not use a solid water stream as it may scatter and spread fire.
Special Protective Equipment for Fire-Fighters	In the event of fire, wear self-contained breathing apparatus.
Specific Hazards Arising from the Chemical	Prevent fire extinguishing water from contaminating surface water or the ground water system. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Use personal protective equipment. Ensure adequate ventilation. Contaminated surfaces will be extremely slippery.
Advice for Emergency Responders	Use personal protective equipment as required.
Environmental Precautions	Prevent product from entering drains. If the product contaminates rivers and lakes or drains inform respective authorities

Methods and materials for containment and cleaning up

Methods for Containment	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Methods for Cleaning Up	Sweep up and shovel into suitable containers for disposal.

7. Handling and Storage

Precautions for safe handling

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes.
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Conditions for safe storage, including any incompatibilities

Storage Conditions	Store in original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed in a dry and well-ventilated place. No special restrictions on storage with other products. : Stable under recommended storage conditions.
Incompatible Products	None known.
8. Exposure Control / Personal Protection	
<u>Control parameters</u>	
Exposure Guidelines	Contains no substances with occupational exposure limit values.
<u>Exposure controls</u>	
Engineering Measures	No information available.
<u>Personal protective equipment</u>	
Eye Protection	Tightly fitting safety goggles
Hand Protection	Impervious gloves
Skin and Body Protection	Impervious clothing
Respiratory Protection	In the case of vapour formation use a respirator with an ap- proved filter.
9. Physical and Chemical Properties	
Physical State @ 20°C	liquid
Appearance	clear, colorless
Odor	characteristic
Odor Threshold	No information available.
pH value	7.5 - 8.5
Melting/Freezing Point	No information available.
Boiling Point/Boiling Range	No information available.
Flash Point	No information available.
Evaporation Rate	No information available.
Flammability (solid, gas)	No information available.
Flammability Limits in Air Upper flammability limit Lower Flammability Limit	No information available.
Vapor Pressure	No information available.

Vapor Density	No information available.
Relative Density	No information available.
Water Solubility	completely soluble
Solubility in other Solvents	not determined
Partition Coefficient: n-octanol/water	No information available.
Autoignition Temperature	No information available.
Decomposition Temperature	No information available.
Viscosity of Product	40 - 80 mm ² /s (25 °C)
VOC Content (%)	No information available.

10. Stability and Reactivity

Reactivity	None under normal use conditions.
Stability	Stable under normal conditions.
Hazardous Polymerization	Hazardous polymerization does not occur
Hazardous Reactions	None under normal processing.
Conditions to Avoid	None under normal processing.
Materials to Avoid	Strong oxidizing agents
Hazardous Decomposition Products	None under normal use.

11. Toxicology

<u>Components</u>	
Sodium N-lauroylsarcosinate	
Acute oral toxicity	LD50 Oral (Rat, male and female): > 5,000 mg/kg Method: OECD Test Guideline 401 GLP: yes
Acute inhalation toxicity	LC50 (Rat, male and female): 1 - 5 mg/l Exposure time: 4 h Method: OECD Test Guideline 403 Test substance: 35% GLP: yes Remarks: Harmful by inhalation. LC50 (Rat, male and female): 0.05 - 0.5 mg/l Exposure time: 4 h Method: OECD Test Guideline 403 Test substance: 100% GLP: yes Remarks: Toxic by inhalation.
Acute dermal toxicity	Remarks: Not applicable
<u>Skin Corrosion/Irritation</u>	

Components	Sodium N-lauroylsarcosinate:
	<p>Species: Rabbit Exposure time: 4 h Assessment: No skin irritation Method: OECD Test Guideline 404 Result: No skin irritation GLP: yes Test substance: 30% Assessment: Non-corrosive Method: EPISKIN Human Skin Model Test Result: Non-corrosive GLP: yes</p>
Serious Eye Damage/Eye Irritation	<p>Sodium N-lauroylsarcosinate: Species: Rabbit Method: OECD Test Guideline 405 Result: irritating Test substance: 30%</p>
Respiratory or Skin Sensitization	<p>Sodium N-lauroylsarcosinate: Test Type: Maximisation Test (GPMT) Species: Guinea pig Assessment: Does not cause skin sensitisation. Method: Directive 67/548/EEC, Annex V, B.6. Result: Did not cause sensitization. GLP: yes Test substance: 30%</p>
Germ Cell Mutagenicity	<p>Genotoxicity in vitro : Test Type: in vitro assay Metabolic activation: with and without metabolic activation Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay) Result: negative GLP: yes</p> <p>Carcinogenicity Product: Components:</p> <p>Test Type: Chromosome aberration test in vitro Test species: Human lymphocytes Metabolic activation: with and without metabolic activation Method: Directive 67/548/EEC, Annex V, B.10. Result: negative GLP: yes</p> <p>Test Type: in vitro assay Metabolic activation: with and without metabolic activation Result: negative GLP: yes</p>
Carcinogenicity	<p>Remarks: This information is not available. Test substance: No data available</p>

Reproductive toxicity	Remarks: This information is not available.
STOT - single exposure	No data available
Repeated dose toxicity	Sodium N-lauroylsarcosinate: Revision Date 18.12.2015 Print Date 07.01.2016 Remarks: This information is not available. Test substance: No data available Species: Rat, male and female NOAEL: 30 mg/kg Application Route: Oral Exposure time: 90 days Number of exposures: 1x /day Method: Directive 67/548/EEC, Annex V, B.7. GLP: yes
Aspiration toxicity	No data available
12. Ecological Information	
<u>Ecotoxicity</u>	
<p>Components: Sodium N-lauroylsarcosinate: Toxicity to fish Toxicity to daphnia and other aquatic invertebrates Toxicity to algae LC50 (Danio rerio (zebra fish)): 107 mg/l Exposure time: 96 h Test Type: semi-static test Test substance: 30% Method: OECD Test Guideline 203 GLP: yes EC50 (Daphnia magna (Water flea)): 29.7 mg/l Exposure time: 48 h Test Type: static test Test substance: 30% Method: OECD Test Guideline 202 GLP: yes ErC50 (Desmodesmus subspicatus (green algae)): 79 mg/l Exposure time: 72 h Test Type: static test Test substance: 30% Method: OECD Test Guideline 201 GLP: yes EbC50 (Desmodesmus subspicatus (green algae)): 39 mg/l Exposure time: 72 h Test Type: static test Test substance: 30% Method: OECD Test Guideline 201 GLP: yes</p>	
Persistence and Degradability	Test Type: Biodegradability, ISO 14593 Result: Readily biodegradable Biodegradation: 82 % Exposure time: 28 d Method: Directive 67/548/EEC Annex V, C.4.B. GLP: yes
Bioaccumulative Potential	Remarks: No bioaccumulation is to be expected (log Pow <= 4).
Mobility	No information available.

Other Adverse Effects	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.. This substance is not considered to be persistent, bioaccumu- lating and toxic (PBT).
13. Disposal Considerations	
<u>Waste Treatment</u>	
Waste from Residues / Unused Products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.
14. Transport Information	
DOT	Not regulated
IMDG	Not regulated
IATA	Not regulated
15. Regulatory Information	
Personal Care Product, regulated under applicable regional, national and local laws and regulations. Perfumes contained with the products comply with appropriate IFRA guidance.	
16. Other Information	
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Reason for Revision	Initial Release
Disclaimer	
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