

Safety Data Sheet

According to Regulation (EU) No. 1907/2006 (REACH), Annex II
(COMMISSION REGULATION (EU) No 453/2010)

Version: 1.0/EN
Product name: AMIN LSNa

Revision date: 29/04/2011
Printing date: 29/04/2011

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: AMIN LSNa
INCI name: SODIUM LAUROYL SARCOSINATE
Substance name: sodium N-lauroylsarcosinate
REACH Reg. No.: No registration number is given yet for this phase-in substance since the transition period for its registration according to Article 23 of REACH has not yet expired.
CAS No.: 137-16-6
EC No.: 205-281-5

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

Identified uses: Cosmetics additive, Surfactant.
Uses advised against: NO uses advised against.

1.3 Details of the supplier of the SDS

Manufacturer: Guangzhou Tinci Materials Technology Co., Ltd
Address: Kangda Road No.8, Yunpu Industrial Zone, Huangpu Region, GuangZhou
E-mail: sales@tinci.com
Telephone: + 86 20 82251159
Fax: + 86 20 82058669

Importer: Cornelius Group plc.
Address: Cornelius House, Woodside, Bishops Stortford, Herts,
Postcode: CM23 5RG
E-mail: dwb@cornelius.co.uk
Telephone: 44 (0)1279 714318
Fax: +44 (0)1279 714320

1.4 Emergency telephone number

In China: + 86 20 82251159

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008[CLP]

Acute Toxicity, Category 2; H330
Skin Irritation, Category 2; H315
Eye Damage, Category 1; H318

Classification according to Directive 67/548/EEC [DSD]

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T; R23 - Xi; R38 - R41

Additional information

Full text of R-phrase(s) and H-statement(s): see section 16.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Substance name: sodium N-lauroylsarcosinate

Hazard pictogram(s):



GHS05 GHS06

Signal word: Danger.

Hazard statements: H330: Fatal if inhaled.
H315: Causes skin irritation.
H318: Causes serious eye damage.

Precautionary statements:

Prevention: P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response: P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 + P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON Center or doctor/physician.
P304 + P340 + P310: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Supplemental Hazard information (EUH):

No information available.

Special rules for supplemental label elements for certain mixtures:

No information available.

2.3 Other hazards

No information available.

Section 3: Composition/information on ingredients

3.1 Substance information

INCI name: SODIUM LAUROYL SARCOSINATE

Substance name: sodium N-lauroylsarcosinate

CAS No.: 137-16-6

EC No.: 205-281-5

Synonyms: Sarcosine, N-lauroyl-, sodium salt; Sodium [dodecanoyl(methyl)amino]acetate; N-Methyl-N-(1-oxododecyl)glycine, sodiumsalt; Sodium lauroyl sarcosinate; Glycine, N-methyl-N-(1-oxododecyl)-, sodium salt.

Purity: ≥95%

Section 4: First aid measures

4.1 Description of first aid measures

General notes: In all cases of doubt, or when symptoms persist, seek medical attention.

Following inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Following skin contact:

Wash with plenty of soap and water.

Following eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON Center or doctor/physician.

Following ingestion:

Rinse mouth. Get medical aid immediately.

Notes for the doctor:

Treat symptomatically and supportively.

Treatment may vary with condition of victim and specifics of incident.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of the immediate medical attention and special treatment needed

No information available.

Section 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Powder, alcohol-resistant foam, water spray, carbon dioxide.

Unsuitable extinguishing media:

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO_x).

5.3 Advice for fire-fighters

Do not stay in dangerous zone without self-contained breathing apparatus.

In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

Prevent fire-fighting water from entering surface water or groundwater.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid breathing vapors, mist. Ensure adequate ventilation.
Remove all sources of ignition. Evacuate personnel to safe areas.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste.

6.4 Reference to other sections

See Section 7 for information on safe handling.
See section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

Section 7: Handling and storage

7.1 Precautions for safe handling

Avoid dust formation. Provide adequate ventilation. Avoid exceeding of the given occupational exposure limits. Take precautionary measures against static discharges. Avoid contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place Keep container tightly closed.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

Section 8 : Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

Sodium N-lauroylsarcosinate: 5 mg/m³ STEL, 5 mg/m³ LTEL

DNEL(Derived No Effect Level) for workers:

No DNEL values available.

DNEL(Derived No Effect Level) for the general population:

No DNEL values available.

PNEC(Predicted No Effect Concentration) values:

No PNEC values available.

8.2 Exposure controls

Appropriate engineering controls:

Good general room ventilation is to be adequate. Local exhaust ventilation (e.g., fans) may be necessary when general ventilation does not keep airborne concentrations below exposure limits. The resistance of the protective clothing to chemicals should be ascertained with the manufacturer/supplier.

Personal protective equipment:

- Eye and face protection: Wear safety glasses with side shields or chemical splash goggles (ANSI Z87.1 approved).
- Skin protection: Protective suit. Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hand protection: Butyl rubber gloves, Nitrile rubber gloves.
- Respiratory protection: Apply technical measures to comply with the occupational exposure limits. In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Discharge into the environment must be avoided.

Industrial hygiene:

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes.
Wash hands before breaks and at the end of workday.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Powder
Colour:	White
Odour:	Negligible
pH:	7.0-8.5
Melting point:	146 °C
Boiling point:	350 °C to 430 °C
Density:	1.141 g/cm ³ at 20 °C
Vapour pressure:	0.02 mbar at 20 °C
Partition coefficient (n -octanol/water):	No data available.
Solubility(ies):	40% at 20 °C in water.
Flash point:	267 °C
Auto-ignition temperature:	No data available.
Flammability:	Non flammable.
Explosive properties:	Not explosive.
Oxidising properties:	No oxidizing properties.

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Evaporation rate : No data available.
Viscosity: 447 cps at 170 °C

9.2 Other information

No data available.

Section 10: Stability and reactivity

10.1 Reactivity

Stable under normal temperatures and pressures.

10.2 Chemical stability

Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Carbon oxides, nitrogen oxides (NO_x).

Section 11: Toxicological information

11.1 Toxicokinetics, metabolism and distribution

No relevant information available.

11.2 Information on toxicological effects

Acute toxicity:

Acute Oral toxicity: LD₅₀ > 5000 mg/kg bw (rat) (OECD);

Acute Inhalation Toxicity: LC₅₀ = 0.05- 0.5 mg/l/4h (rat) (OECD).

Skin corrosion/irritation:

Rabbit, skin irritant.

Serious eye damage/irritation:

Rabbit, eye irritant.

Respiratory or skin sensitization:

Guinea pig, not sensitizing.

CMR effects (Carcinogenicity, Mutagenicity and Toxicity for Reproduction):

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No data available.

STOT-single exposure and repeated exposure:

No data available.

Additional information:

No relevant information available.

Section 12: Ecological information

12.1 Toxicity

Acute toxicity to fish: EC_{50} = 107 mg/l/96h (*Danio rerio*);

Acute toxicity to daphnia: EC_{50} = 29.7 mg/l/48h (*Daphnia magna*);

Acute toxicity to algae: EC_{50} = 86 mg/l/72h (*Desmodesmus subspicatus*).

12.2 Persistence and degradability

Readily biodegradable.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

12.6 Other adverse effects

No relevant information available.

Section 13: Disposal considerations

13.1 Waste treatment methods

Product Disposal: Dispose of in accordance with local regulations.

Packaging Disposal: Any containers or equipment used should be disposed immediately after use.

Section 14: Transport information

14.1 Land transport (ADR/RID/GGVSE)

UN-No.: 2811

Official transport designation: TOXIC SOLID, ORGANIC N.O.S. (Sodium N-lauroylsarcosinate)

Class: 6.1

Classification Code: T2

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Packing group: II
Hazard label: 6.1

14.2 Sea transport (IMDG-Code/GGVSee)

Proper Shipping Name: TOXIC SOLID, ORGANIC N.O.S. (Sodium N-lauroylsarcosinate)
Class: 6.1
UN-No.: 2811
Packing group: II
EmS No.: F-A, S-A.
Marine pollutant: No

14.3 Air transport (ICAO-TI/IATA-DGR)

Proper Shipping Name: TOXIC SOLID, ORGANIC N.O.S. (Sodium N-lauroylsarcosinate)
Class: 6.1
UN-No.: 2811
Packing group: II

14.4 Additional information

No relevant information available.

Section 15: Regulatory information

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

EU regulation:

Authorisations: No information available.
Restrictions on use: No information available.
EINECS: CAS# 137-16-6 is listed in the inventory.
DSD (67/548/EEC): CAS# 137-16-6 is not listed in the inventory.

Other chemical regulation:

USA - TSCA: CAS# 137-16-6 is listed in the inventory.
Canada - DSL: CAS# 137-16-6 is listed in the inventory.
Australia - AICS: CAS# 137-16-6 is listed in the inventory.
Korea - ECL: CAS# 137-16-6 is listed in the inventory.
China - IECSC: CAS# 137-16-6 is listed in the inventory.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance.

Section 16: Other information

16.1 Revision Information:

Date of the previous revision: Not applicable.

Date of this revision: 29/04/2011

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Revision summary: The first new SDS

16.2 Abbreviations and acronyms

- CLP:** EU regulation (EC) No 1272/2008 on classification, labelling and packaging of chemical substances and mixtures.
- CAS:** Chemical Abstracts Service (division of the American Chemical Society).
- EINECS:** European Inventory of Existing Commercial Chemical Substances.
- RID:** European Rail Transport.
- IMDG:** International Maritime Code for Dangerous Goods.
- IATA:** International Air Transport Association.
- OSHA:** The United States Occupational Safety and Health Administration.
- TSCA:** Toxic Substances Control Act, The American chemical inventory.
- DSD:** Dangerous Substance Directive (67/548/EEC).
- IECSC:** Inventory of existing chemical substances in China.
- DSL:** Domestic Substances List, The Canadian chemical inventory.
- AICS:** The Australian Inventory of Chemical Substances.
- ECL:** Existing Chemicals List, the Korean chemical inventory.

16.3 Key literature references and sources for data

- NLM: U.S. National Library of Medicine.
- HSDB: Hazardous Substances Data Bank.
- ECHA database for information on registered substances.

16.4 Relevant R-phrases and H-statements

Not applicable. This product does not meet the criteria for classification in any hazard class according to EU Classification Regulation.

16.5 Training advice

Provide adequate information, instruction and training for operators.

16.6 Declare to reader

The information in this Safety Data Sheet (SDS) was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. According to REACH Article 31(5), the SDS shall be supplied in an official language of the Member State(s) where the substance or mixture is placed on the market, unless the recipient Member State(s) concerned provide otherwise. It should also be noted that this SDS is applicable to the countries with English as an official language.



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