

Safety Data Sheet

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Revision Date: 22.09.2022 Version 2

TEKKİM

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

1.1 Product identifier

Catalog No. TK.930151.00000
Product Name Sodium Lauryl (Dodecyl) Sulfate
Cas no 151-21-3

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

1.2.1. Relevant identified uses

Pharmaceutical production. Cosmetic raw material. Use as a laboratory reagent.

1.2.2. Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Name TEKKİM KİMYA SAN. TİC. LTD. ŞTİ.
Street ORGANİZE SAN. BÖL. MAVİ CAD. 8. SOK. NO :1 NİLÜFER / BURSA
Telephone 0224 243 21 71
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Company Representative Erhan DİLER

1.4 Emergency Telephone Number +90 506 990 36 86

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Flammable solids, Category 2
Acute toxicity, Oral, Category 4
Acute toxicity, By inhalation, Category 4
Skin irritation, Category 2
Serious eye damage, Category 1
Specific Target Organ Toxicity – Single exposure, Category 3, Respiratory system
Long (chronic) aquatic hazard, Category 3

For the full text of the H and EUH statements referred to in this section, see section 16.

2.2 Label elements

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

Hazard pictograms



Signal word (SEA)

DANGER

Hazard Statements (SEA)

H228 Flammable solid.
H302 + H332 Harmful if swallowed or if inhaled.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements (SEA)



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Prevention

- P210 Keep away from heat/sparks/open flames/hot surfaces. -No smoking.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Intervention

- P301+P312 IF SWALLOWED: Call 114 POISON CENTER or doctor/physician if you feel unwell.
P304+P340 IF INHALED: Move victim to fresh air and keep in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if fitted and easy to do. Continue rinsing.

SECTION 3: Composition/information on ingredients

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

3.1 Maddeler

EC No	205-788-1
Molar mass	288.37 g/mol
Cas No	151-21-3
Concentration	(<= 100 %)

SECTION 4: First aid measures

4.1 Description of first aid measures

<i>General information</i>	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
<i>Following inhalation</i>	Provide fresh air..
<i>Following skin contact</i>	Wash with plenty of water. Take off contaminated clothing.
<i>Following eye contact</i>	In case of contact with eyes, rinse immediately with plenty of water and consult an ophthalmologist.
<i>Following ingestion</i>	Give up to two glasses of water. Get medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water. Foam. Dry extinguishing powder. Carbon dioxide (CO2).

Unsuitable extinguishing media

There is no restriction for this item.

5.2 Special hazards arising from the substance or mixture

Carbon oxides. Sulfur oxides. Sodium oxide. Flammable. Fire may cause evolution of: Sulfur oxides. Heavy-than-air vapors may form on the floor surface. Forms explosive mixtures with air at intense temperatures. In case of fire, dangerous flammable gases or vapors may develop.

5.3 Advice for firefighters

Special protective equipment for firefighters

Do not stay in dangerous zone without self-contained breathing apparatus. Keep a safe distance to cut off contact with skin and wear suitable protective clothing.

5.4 Additional information

Stop and contain spill/release if it can be done safely. If this cannot be done, allow fire to burn under control.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures



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Advice for non-emergency personnel: Don't breathe vapours, aerosols. Avoid substance contact. Keep away from head and source of ignition. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert..

6.2 Environmental precautions

Do not discharge into sewer. Risk of explosion.

6.3 Methods and material for containment and cleaning up

Close drainage channels. Take up with liquid-absorbent material. Clean the affected area. Avoid generation of dust..

6.4 Reference to other sections

Disposal: see section 13.

6.5 Additional information

Clear spills immediately.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Advices on safe handling

Pay attention to the precautions on the label. Work with the title. Do not inhale the substance.

Advices on general occupational hygiene

Change contaminated clothing. Wash hands after working with substance. It is recommended to use a skin protection cream.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Keep container tightly closed in dry and well-ventilated places. Keep away from heat and anything that can cause ignition.

7.3 Specific end uses

There are no other specific uses other than those mentioned in section 1.2.

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

More attention should be paid to technical measures against the use of personal protective equipment.

Personal protection equipment

Eye/face protection

Fully fitting safety glasses

Hand protection

Hand protection

Full contact

Glove material : Nitrile rubber

Glove thickness : 0,11 mm

Break through time : >480 minute

Splash contact

Glove material : Nitrile rubber

Glove thickness : 0,11 mm

Break through time : >480 minute

The protective gloves to be used must comply with the specifications of directive 89/686/EEC and the related standart EN374.



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Other skin protection

Flame retardant antistatic protective clothing.

Respiratory protection

Required when dusts occur.

Recommended Filter type: P2 type filter

SECTION 9: Physical and chemical Properties

9.1 Information on basic physical and chemical properties

Physical state	Powder
Colour	White
Odour	Odorless
Odour threshold	Not applicable.
pH value	7,5 - 9,5 10 g/l 20 °C
Melting point/freezing point	204 - 207 °C
Freezing point	No information.
Initial boiling point and boiling range	No information.
Flash point	170 °C
Evaporation rate	No information.
Flammability (solid, gas)	310 °C
Upper/lower flammability or explosive limits	No information.
Upper/lower flammability or explosive limits	No information.
Vapour pressure	0,0018 mbar 20 °C
Vapour density	No information.
Density	1,01 g/cm ³ 20 °C
Relative density	No information.
Water solubility (g/l)	130 g/l 20 °C
Fat solubility (g/l)	No information.
Partition coefficient: n-octanol/water	log Pow: 0,83 22 °C
Auto-ignition temperature	No information.
Decomposition temperature	No information.
Viscosity	
Kinematic viscosity	No information.
Dynamic viscosity	No information.
Explosive properties	Not classified as explosive.
Oxidising properties	none

SECTION 10: Stability and Reactivity

10.1 Reactivity

Forms explosive mixtures with air at intense temperatures.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

Oxidizing agents.

10.4 Conditions to avoid

Powerful heating.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects



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Acute oral toxicity
LD50 Oral - Rat - female - 977 mg/kg
(OECD Testing Guide 401)

Acute respiratory toxicity
Estimated acute toxicity Inhalation - 4 h - 1.51 mg/l - dust/mist

Acute dermal toxicity
LD50 Dermal - Rabbit - > 2.000 mg/kg
(OECD Testing Guide 404)

Skin corrosion/irritation
Skin - Rabbit
Result: irritations
(OECD Testing Guide 404)

Serious eye damage/eye irritation
Eyes - Rabbit
Result: Irreversible effects on the eyes
(OECD Testing Guide 405)

11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish
flow-through test LC50 - Pimephales promelas (Carp calf) - 29 mg/l - 96 h
(OECD Testing Guide 203)

Toxicity to daphnia and other aquatic invertebrates
flow-through test EC50 - Daphnia dubia (Water flea) - 5.55 mg/l - 48 h
(ECHA)

Toxicity to algae (algae)
ErC50 - Desmodesmus subspicatus (green algae) - > 120 mg/l - 72 h
(DIN 38412)

Toxicity to bacteria
EC50 - activated sludge - 130 mg/l - 3 h
(OECD Testing Guide 209)

12.2 Persistence and degradability

Biodegradability
oxygenated (aerobic) - Exposure time 28 d
Result: 95% - Easily degradable.
(OECD Testing Guide 301 B)

12.3 Bioaccumulative potential

Bioaccumulation
Cyprinus carpio (Carp) - 72 h
(Sodium dodecyl sulphate)

Bioconcentration factor (BCF): 3.9 - 5.3

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Substance does not meet the criteria for PBT or vPvB.

12.6 Other adverse effects



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Discharge into environment must be avoided.

SECTION 13: Disposal considerations

Waste treatment methods

It must be disposed of in accordance with national and local regulations. Do not mix with other products. Uncleaned Treat packages as if it were the product itself ... Waste materials must be disposed of in accordance with national and local regulations.

SECTION 14: Transport information

ADR	IMDG	IATA	ADN	RID
14.1 UN number UN 1325	UN 1325	UN 1325	UN 1325	UN 1325
14.2 UN proper shipping name FLAMMABLE SOLID, ORGANIC N.O.S (Contains: Sodium Lauryl (Dodecyl) Sulfate)	FLAMMABLE SOLID, ORGANIC N.O.S (Contains: Sodium Lauryl (Dodecyl) Sulfate)	FLAMMABLE SOLID, ORGANIC N.O.S (Contains: Sodium Lauryl (Dodecyl) Sulfate)	FLAMMABLE SOLID, ORGANIC N.O.S (Contains: Sodium Lauryl (Dodecyl) Sulfate)	FLAMMABLE SOLID, ORGANIC N.O.S (Contains: Sodium Lauryl (Dodecyl) Sulfate)

14.3 Transport hazard class(es)

4.1 4.1 4.1 4.1 4.1



14.4 Packing group

III III III III III

14.5 Environmental hazards

NO NO NO NO NO

No information available. No information available. No information available. No information available. No information available.

14.6 Special Precautions for User:

No information available.

SECTION 15: Regulatory information

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

This product safety data sheet complies with the requirements of EU Regulation 1907/2006.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been conducted for this substance.

SECTION 16: Other informations

Full text of H statements

- H228 Flammable solid.
- H302 + H332 Harmful if swallowed or if inhaled.
- H315 Causes skin irritation.
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Person Who Prepared the Safety Data Sheet:

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