

SAFETY DATA SHEET

SDS Number SDS12
Prepare Date 10.12.2020
Revision Date 22.01.2022
Revision 9



likitkimya

SODIUM LIGNO SULFONATE (POWDER)

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

1.1 Product identifiers

Product name : Sodium Lignosulfonate Powder
CAS-Numarası : 8061-51-6

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

- Identified uses :
- ore flotation reagentbinding
 - material in the production of molding and core sand mixtures in cast iron, steel, and non-ferrous castings; foaming agent in an acidic etching of metal;
 - lubricants and coolants in hot forging and hammering;
 - component in quenching media during thermal hardening of parts made of carbon and medium alloy steels;
 - feedstock and dispersant in production of synthetic tanners;
 - reagent for regulating main parameters of drilling fluids for oil and gas wells;
 - corrective additive in the production of claydite gravel;
 - plasticizing and gluing material in the production of gypsum plasterboard sheets;
 - sizing agent for cellulose-containing bases in the textile industry;
 - dedusting material for the treatment of roadbeds, transport workings in mines;
 - as a dispersing agent and stabilizer of suspensions in the production of plant protection chemical products;
 - plasticizing material for pelletizing technical carbon and porous aggregates from powdery bulk materials, charge;
 - in the agglomeration of ferrous ores; in the production of refractories, briquetting;
 - for the manufacture of chipboards, fiberboards and plywood.
- The main application of the products is a cement and concrete plasticizer in the nonferrous industry

1.3 Details of the supplier of the safety data sheet

Company : Likit Kimya Sanayi Ticaret A.Ş.
Terminal Address : Terminal Adres: Seymen Yolu. 3.km Marmara Ereğlisi/Tekirdağ
Terminal Telephone : 0 282 613 41 38

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Central Office Telephone : 0 216 499 30 00 (pbx)
E-mail : info@likitkimya.com
: onur_evcil@likitkimya.com
: ibrahim_caginda@likitkimya.com
Web site : www.likitkimya.com

1.4 Hazards identification

Emergency Phone : 112

2. Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

The product does not need to be labelled in accordance with EC directives or respective n

2.3 Other hazards

PBT: Not determined.

VPvB: Not determined.

3. Composition/information on ingredients

3.1 Component

CAS No.	Product	Concentration
8061-51-6	Sodyum Lignosülfonat	%100 ≥ C ≥ %90
7732-18-5	Su	%10 ≥ C ≥ %0

4. First aid measures

4.1 Description of first aid measures

If inhaled

Inhalation of high concentrations may result in excitation followed by lethargy, muscle weakness, reduced motor activity and reaction to external stimuli

In case of skin contact

Prolonged contact may cause dryness, redness

In case of eye contact

Prolonged contact may cause redness, corneal irritation

4.2 Most important symptoms and effects, both acute and delayed

Not applicable

4.3 Indication of any immediate medical attention and special treatment needed

None.

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5. Firefighting measures

5.1 Extinguishing media

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

Carbon dioxide, Sulphur oxides, Carbon monoxide.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.

6.2 Environmental precautions

Do not allow to enter sewers surface or ground water.

6.3 Methods and materials for containment and cleaning up

Pick up mechanically.

6.4 Reference to other sections

For disposal see section 8.

7. Handling and storage

7.1 Precautions for safe handling

General supply and exhaust ventilation system in industrial premises and local exhaust devices. Sealed design of equipment, storage tanks and packaging. Monitoring of harmful substances in the air of the work area. Fire protection in accordance with the design standards approved in the prescribed manner. Equipping workplaces with primary fire extinguishing. Explosion- proof design of electrical equipment and lighting. Implementation of protection measures against the accumulation of static electricity; equipment and pipelines must be grounded in accordance with the Regulations on protection against static electricity.

7.2 Conditions for safe storage, including any incompatibilities

Store only in the original receptacle.

7.3 Specific end use(s)

No further relevant information available.

8. Exposure controls/personal protection.

8.1 Control parameters

The air of the work area in the production premises should be monitored by:

Sodium lignosulfonate aerosol MPC w.a. = 2 mg/m³;

Sodium hydrosulfite aerosol MPC w.a. = 5 mg/m³

8.2 Exposure controls

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General supply and exhaust ventilation. Hermetically sealed equipment and containers. Periodic monitoring of harmful substances in the air of the work area.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Protective work clothing.

Respiratory protection

Not necessary if room is well-ventilated.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | |
|---|------------------------------------|
| a) Appearance | Form: Like powder
Colour: Brown |
| b) Odour | Characteristic. |
| c) Odour Threshold | No data available |
| d) pH | ≥ 4,5 |
| e) Melting point/freezing point | No data available |
| f) Initial boiling point and boiling range | No data available |
| g) Flash point | Not applicable |
| h) Evaporation rate | No data available |
| i) Flammability (solid, gas) | No data available |
| j) Upper/lower flammability or explosive limits | No data available |
| k) Vapour pressure | No data available |
| l) Vapour density | No data available |
| m) Bulk density | No data available |
| n) Water solubility | No data available |
| o) Partition coefficient: noctanol/water | Soluble. |
| p) Auto-ignition temperature | No data available |
| q) Decomposition temperature | No data available |
| r) Viscosity | No data available |

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- s) Explosive properties No data available
t) Oxidizing properties No.

9.2 Other safety information

No data available

10. Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

No dangerous decomposition products known.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Sodium Lignosulfonate

DL50 > 10000 mg/kg, intragastrically

Rat ; CL50 > 480 mg /m³, 4 h, rat.

Sodium Hydrosulfite

DL50 = 1420 mg/kg, intragastrically

Rat ; DL50 > 2000 mg /m³, epidermally,

Rat; CL50>5500 mg/m³, 4 h, rat .

Skin corrosion/irritation

No irritation effect.

Serious eye damage/eye irritation

No irritation effect.

Respiratory or skin sensitisation

No sensitising effect known.

Additional Information

When used and handled according to specifications. The product does not have any harmful effect to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of EU lists.

12. Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability

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No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not determined.

VPvB: Not determined.

12.6 Other adverse effects

No further relevant information available.

13. Disposal considerations

13.1 Waste treatment methods

Recommendation: Must be specially treated adhering to official regulations.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents; Water ,if necessary together with cleansing agents.

14. Transport information

14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID Not dangerous goods

IMDG Not dangerous goods

IATA Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: no

IMDG: no

IATA: no

14.6 Special precautions for user

No applicable.

15. Regulatory information

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

No further relevant information available.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

16. Other information

Further information

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