



ISO 9001 Quality System Certified Organization

MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS

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MATERIAL SAFETY DATA SHEET (MSDS)
SDS/MSDS

SODIUM SUCCINATE HEXAHYDRATE EXTRA PURE

CAS No: 6106-21-4 MSDS

MATERIAL SAFETY DATA SHEET (MSDS)

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

1.1.

Product identifier

Product form : SODIUM SUCCINATE HEXAHYDRATE EXTRA PURE

CAS No : 6106-21-4

Chemical structure

1.2.

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

1.2.1.

Relevant identified uses

Use of the substance/mixture

1.2.2.

Uses advised against

No additional information available

SECTION 2: Hazards identification

2.1.

Classification of the substance or mixture

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

Serious eye damage/eye

irritation, Category 2

Skin corrosion/irritation,

Category 2

Specific target organ

toxicity — Single

exposure, Category 3,

Respiratory tract irritation

H319

H315

H335

Full text of classification categories and H statements : see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

Xi; R36/37/38

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2.

Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display Extra classification(s) to display

Hazard pictograms (CLP)

Signal word (CLP)

Hazard statements (CLP)

Precautionary statements (CLP)

2.3.

Other hazards

:

GHS07

: Warning

: H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing

No additional information available

SECTION 3: Composition/information on ingredients

3.1.

Substance

Name

CAS No

: SODIUM SUCCINATE HEXAHYDRATE Extra Pure

: 6106-21-4

Full text of R- and H-phrases: see section 16

3.2.

Mixture

Not applicable

SECTION 4: First aid measures

4.1.

Description of first aid measures

First-aid measures after inhalation

First-aid measures after skin contact

: 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.

: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see ... on this

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label).

First-aid measures after eye contact

First-aid measures after ingestion

4.2.

: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

: Rinse mouth out with water. If you feel unwell, seek medical advice.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation

Symptoms/injuries after skin contact

Symptoms/injuries after eye contact

4.3.

: May cause respiratory irritation.

: Causes skin irritation.

: Causes serious eye irritation.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1.

Extinguishing media

Suitable extinguishing media

Unsuitable extinguishing media

5.2.

: dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).

: Do not use a heavy water stream.

Special hazards arising from the substance or mixture

No additional information available

5.3.

Advice for firefighters

Protection during firefighting

SECTION 6: Accidental release measures

: Do not attempt to take action without suitable protective equipment.

6.1.

Personal precautions, protective equipment and emergency procedures

6.1.1.

For non-emergency personnel

Emergency procedures

6.1.2.

For emergency responders



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Protective equipment

Emergency procedures

6.2.

Environmental precautions

: Evacuate unnecessary personnel.

: Use personal protective equipment as required.

: Stop release.

Avoid release to the environment.

6.3.

Methods and material for containment and cleaning up

Methods for cleaning up

6.4.

Reference to other sections

: Clear up rapidly by scoop or vacuum.

No additional information available

SECTION 7: Handling and storage

7.1.

Precautions for safe handling

Precautions for safe handling

Hygiene measures

7.2.

: Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well ventilated area.

: Wash ... thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage conditions

7.3.

Specific end use(s)

: Keep container tightly closed. Store in original container. Store in a dry place.

Protect from moisture.

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Hand protection : protective gloves

Eye protection : Chemical goggles or safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Wear respiratory protection



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Molecular mass : 270.14 g/mol

Colour : White powder.

Odour : odourless.

Odour threshold : No data available

pH : 8 - 9 at 270 g/l at 25 °C

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : No data available

Solubility : Water: 270 g/l at 20 °C - completely soluble

Log Pow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

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Explosive properties : No data available

SODIUM SUCCINATE HEXAHYDRATE Extra Pure

Safety Data Sheet

Oxidising properties

Explosive limits

9.2.

Other information

: No data available

: No data available

No additional information available

SECTION 10: Stability and reactivity

10.1.

Reactivity

No additional information available

10.2.

Chemical stability

Stable under normal conditions of use.

10.3.

Possibility of hazardous reactions

No additional information available

10.4.

Conditions to avoid

Direct sunlight. Air contact. Moisture.

10.5.

Incompatible materials

No additional information available

10.6.

Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1.

Information on toxicological effects

Acute toxicity

Skin corrosion/irritation

Serious eye damage/irritation

Respiratory or skin sensitisation

Germ cell mutagenicity

Carcinogenicity

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Reproductive toxicity
Specific target organ toxicity (single exposure)
Specific target organ toxicity (repeated exposure)
Aspiration hazard
: Not classified
: Causes skin irritation.
pH: 8 - 9 at 270 g/l at 25 °C
: Causes serious eye irritation.
pH: 8 - 9 at 270 g/l at 25 °C
: Not classified
: Not classified
: Not classified
: Not classified
: May cause respiratory irritation.
: Not classified
: Not classified

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

No additional information available

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : Not applicable

UN-No. (IMDG) : Not applicable

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UN-No.(IATA) : Not applicable

UN-No.(ADN) : Not applicable

UN-No. (RID) : Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

SODIUM SUCCINATE HEXAHYDRATE Extra Pure

Safety Data Sheet

IATA

Transport hazard class(es) (IATA)

ADN

Transport hazard class(es) (ADN)

RID

Transport hazard class(es) (RID)

14.4.

Packing group

: Not applicable

: Not applicable

: Not applicable

Packing group (ADR)

Packing group (IMDG)

Packing group (IATA)

Packing group (ADN)

Packing group (RID)

14.5.

Environmental hazards

: Not applicable

: Not applicable

: Not applicable

: Not applicable

: Not applicable

Dangerous for the environment

Marine pollutant

Other information



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14.6.

Special precautions for user

: No

: No

: No supplementary information available- Overland transport

No data available- Transport by sea

No data available- Air transport

No data available- Inland waterway transport

No data available- Rail transport

No data available

14.7.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1.

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

SODIUM SUCCINATE HEXAHYDRATE Extra Pure is not on the REACH Candidate List

SODIUM SUCCINATE HEXAHYDRATE Extra Pure is not on the REACH Annex XIV List

15.1.2. National regulations

Germany

12th Ordinance Implementing the Federal

Immission Control Act - 12.BImSchV

Denmark

Recommendations Danish Regulation

15.2.

Chemical safety assessment

: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

: Young people below the age of 18 years are not allowed to use the product

No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

Eye Irrit. 2

Serious eye damage/eye irritation, Category 2

Skin Irrit. 2

STOT SE 3

H315

H319

H335



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Skin corrosion/irritation, Category 2

Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

Causes skin irritation

Causes serious eye irritation

May cause respiratory irritation

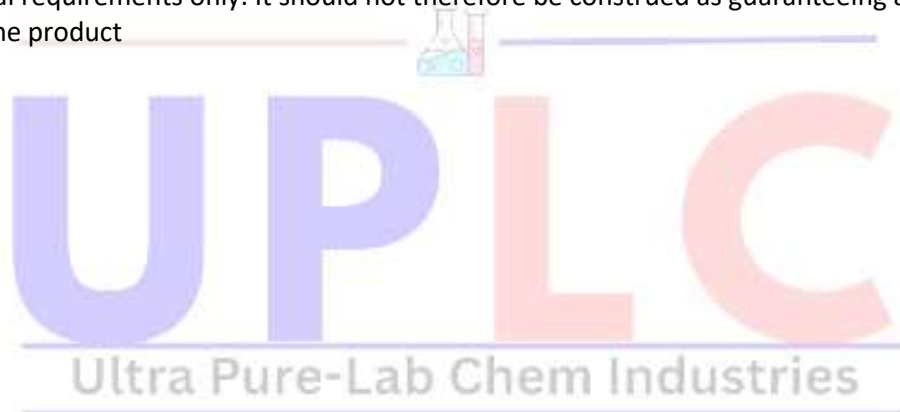
R36/37/38

Xi

Irritating to eyes, respiratory system and skin

Irritant

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product



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