

di-SODIUM TARTRATE (DIHYDRATE)

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

Product Name: di-SODIUM TARTRATE (Dihydrate)

Product Code: 2309

CAS#: 6106-24-7

Synonym: Not available

Chemical Formula: $C_4H_4Na_2O_6 \cdot 2H_2O$

Molecular Weight: 230.08

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

Composition:

Name: di-SODIUM TARTRATE (Dihydrate)

Chemical Formula: $C_4H_4Na_2O_6 \cdot 2H_2O$

Molecular Weight: 230.08

SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008: Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

Other hazards: 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

SECTION 4: FIRST AID MEASURES

Description of first aid measures:

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled If breathed in: Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Flush eyes with water as a precaution.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delay: No data available

Indication of any immediate medical attention and special treatment needed: No data available

SECTION 5: FIRE AND EXPLOSION DATA

Extinguishing media:

Suitable extinguishing media: Water Foam Carbon dioxide (CO₂) Dry powder

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

Special hazards arising from the substance or mixture: Carbon oxides Nitrogen oxides (NO_x) Sulfur oxides Sodium oxides.

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Avoid dust formation. Avoid breathing vapors, mist or gas.

Environmental precautions: Do not let product enter drains.



Methods and materials for containment and cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:

Advice on safe handling: Work under hood. Do not inhale substance/mixture

Hygiene measures Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

Storage Class: Tightly closed. Dry

Storage class: Storage class (TRGS 510): 11: Combustible Solids

Specific end use(s) A part from the uses: No other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls:

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment:

Eye/face protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection 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 clothing

Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form	: Transparent, colourless and odourless crystals
Colour	: Not available
Odour	: Not available
Odour Threshold	: Not available
pH	: Not available
Melting point/freezing point	: Not available
Initial boiling point and boiling range	: Not available
Flash point	: Not available
Evapouration rate	: Not available
Flammability (solid, gas)	: Not available
Upper/lower flammability or explosive limits	: Not available
Relative density	: Not available
Water solubility	: Not available
Partition coefficient	: Not available
Auto-ignition temperature	: Not available
Solubility	: Not available

SECTION 10: STABILITY AND REACTIVITY DATA

Reactivity: The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed



Chemical stability: The product is chemically stable under standard ambient conditions (room temperature)
Possibility of hazardous reactions: Not available
Conditions to avoid : Not available.
Incompatible materials: Not available

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute Toxicity: LD50 Oral - Rat - male - > 3.100 mg/kg Remarks: (in analogy to similar products) Symptoms: In high doses; Diarrhea Inhalation: No data available Dermal: No data available
Skin corrosion/irritation: Skin - Rabbit Result: No skin irritation - 4 h
Serious eye damage/eye irritation: Not available
Respiratory or skin sensitization: Local lymph node assay (LLNA) - Mouse Result: negative
Carcinogenicity No data available
Reproductive toxicity No data available
Specific target organ toxicity - repeated exposure No data available
Aspiration hazard: No data available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: Toxicity to algae EC50 - Pseudokirchneriella subcapitata (green algae) - > 100 mg/l - 72 h
 Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h
Persistence and degradability: Biodegradability Result: 73 % - Readily biodegradable.
Bio accumulative potential :Not available
Mobility in soil: Not available
Results of PBT and vPvB assessment PBT/vPvB assessment: This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher
Other adverse effects: Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods: Waste must be disposed of in accordance with federal, state and local environmental control regulations

SECTION 14: TRANSPORT INFORMATION

UN number:

ADR/RID: NA

IMDG: NA

IATA: NA

UN proper shipping name

ADR/RID: NA

IMDG: NA

IATA: NA

Transport hazard class (es):

ADR/RID: NA

IMDG: NA

IATA: NA

Packaging group:

ADR/RID: NA

IMDG: NA

IATA: NA

Environmental hazards:

ADR/RID: NA

IMDG Marine pollutant: NA

IATA: NA



SECTION 15: OTHER REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical Safety Assessment For this product a chemical safety assessment was not carried out.

SECTION 16: OTHER INFORMATION

References: Full text of H AND R-Statements.

Not available

Special Considerations: Not available

The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.

