



## Safety Data Sheet

### Potassium sodium tartrate tetrahydrate

#### Section 1: Chemical Product and Company Identification

**Product Name:** Potassium sodium tartrate tetrahydrate

**Catalog Codes:** 473

**CAS#:** 6381-59-5

**RTECS:** -

**Synonym:** Sodium potassium tartrate, Tartaric acid potassium sodium salt

**Chemical Name:** Potassium sodium tartrate tetrahydrate

**Chemical Formula:**  $C_4H_4KNaO_6 \cdot 4H_2O$

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#### Section 2: Composition and Information on Ingredients

**Composition:**

Name	CAS #	% by Weight
Potassium sodium tartrate tetrahydrate	6381-59-5	100

**Toxicological Data on Ingredients:** Not available.

#### Section 3: Hazards Identification

**Classification of the substance or mixture**

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

**Label elements**

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

#### If inhaled

After inhalation: fresh air.

#### In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

#### In case of eye contact

After eye contact: rinse out with plenty of water. Remove contact lenses.

#### If swallowed

After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

### Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 3) and/or in section 11

### Indication of any immediate medical attention and special treatment needed

No data available

## Section 5: Firefighting measures

### Extinguishing media

#### Suitable extinguishing media

Water Foam Carbon dioxide (CO<sub>2</sub>) 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

Potassium oxides

Sodium oxides

Combustible.

Development of hazardous combustion gases or vapours possible in the event of fire.

### Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

### Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

## Section 6: Accidental Release Measures

### **Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

### **Environmental precautions**

Do not let product enter drains.

### **Methods and materials for containment and cleaning up**

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

### **Reference to other sections**

For disposal see section 13.

## Section 7: Handling and Storage

### **Precautions for safe handling**

For precautions see section 3.

### **Conditions for safe storage, including any incompatibilities**

#### **Storage conditions**

Tightly closed. Dry.

#### **Storage class**

Storage class (TRGS 510): 11: Combustible Solids

## Section 8: Exposure Controls/Personal Protection

### **Control parameters**

### **Ingredients with workplace control parameters**

### **Exposure controls**

### **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). Safety glasses

#### **Respiratory protection**

required when dusts are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Recommended Filter type: Filter type P1

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer.

These measures have to be properly documented.

### **Control of environmental exposure**

Do not let product enter drains.

## **Section 9: Physical and Chemical Properties**

### **Information on basic physical and chemical properties**

a) Physical	state crystalline
b) Color	colorless
c) Odor	No data available
d) Melting	70 - 80 °C point/freezing point
e) Initial boiling point and boiling range	200.0 °C
f) Flammability (solid, gas)	No data available
g) Upper/lower flammability or explosive limits	No data available
h) Flash point	No data available
i) Autoignition temperature	No data available
j) Decomposition temperature	No data available
k) pH	6.0 - 8.5
l) Viscosity	Viscosity, kinematic: No data available Viscosity, dynamic: No data available
m) Water solubility	No data available

n) Partition coefficient: n-octanol/water	No data available
o) Vapor pressure	No data available
p) Density Relative density	No data available No data available
q) Relative vapor density	No data available
r) Particle characteristics	No data available
s) Explosive properties	No data available
t) Oxidizing properties	none

**Other safety information**  
No data 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

Violent reactions possible with:  
Strong oxidizing agents

### Conditions to avoid

no information available

### Incompatible materials

No data available

### Hazardous decomposition products

In the event of fire: see section 5

## Section 11: Toxicological Information

## **Information on toxicological effects**

### **Acute toxicity**

Oral: No data available

Inhalation: No data available

Dermal: No data available

### **Skin corrosion/irritation**

Skin - Rabbit

Result: No skin irritation - 4 h

(Directive 67/548/EEC, Annex V, B.4.)

Remarks: (anhydrous substance)

### **Serious eye damage/eye irritation**

Eyes - Rabbit

Result: No eye irritation - 1 h

(Directive 67/548/EEC, Annex V, B.5.)

Remarks: (anhydrous substance)

### **Respiratory or skin sensitization**

Local lymph node assay (LLNA) - Mouse

Result: negative

(OECD Test Guideline 429)

Remarks: (in analogy to similar products)

The value is given in analogy to the following substances: Tartaric acid

### **Germ cell mutagenicity**

Test Type: Ames test

Test system: Escherichia coli/Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Method: Directive 67/548/EEC, Annex V, B.13.

Result: negative

Remarks: (anhydrous substance)

### **Carcinogenicity**

No data available

### **Reproductive toxicity**

No data available

### **Specific target organ toxicity - single exposure**

No data available

### **Specific target organ toxicity - repeated exposure**

No data available

### **Aspiration hazard**

No data available

## **Additional Information**

## Endocrine disrupting properties

### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Repeated dose toxicity - Rat - male and female - Oral - NOAEL (No observed adverse effect level) - 100 mg/kg

Remarks: (in analogy to similar products)

The value is given in analogy to the following substances: Disodium succinate hexahydrate

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Only very slightly absorbable via the gastrointestinal tract.

After uptake of large quantities:

Diarrhea

Handle in accordance with good industrial hygiene and safety practice.

## Section 12: Ecological Information

### Toxicity

Toxicity to algae static test ErC50 - Pseudokirchneriella subcapitata - > 998 mg/l – 72 h (OECD Test Guideline 201)

Remarks: (in analogy to similar products)

The value is given in analogy to the following substances: Disodium succinate hexahydrate (Rochelle salt)

### Persistence and degradability

Biodegradability aerobic - Exposure time 14 d

Result: 100 % - Readily biodegradable.

(OECD Test Guideline 301C)

Remarks: (anhydrous substance)

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Results of PBT and vPvB assessment

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.

**Endocrine disrupting properties****Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Other adverse effects**

Discharge into the environment must be avoided.

**Section 13: Disposal Considerations****Waste treatment methods****Product**

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

**Section 14: Transport Information****UN number**

ADR/RID: -

IMDG: -

IATA: -

**UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

**Transport hazard class(es)**

ADR/RID: -

IMDG: -

IATA: -

**Packaging group**

ADR/RID: -

IMDG: -

IATA: -

**Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

**Special precautions for user****Further information**

Not classified as dangerous in the meaning of transport regulations.



## 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:** Not available

**Other Special Considerations:** Not available

**Created:** 01/07/2022

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