

Safety Data Sheet

Rochelle Salt (Potassium Sodium Tartrate)

Tártaros Gonzalo Castelló S.L.
03660 Novelda (Alicante – Spain)



Created: 10/07/2013

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In Compliance with EC Regulation Nº 1907/2006 and EC Regulation Nº 453/2010

Registration REACH Number: HM921428-29

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 SUBSTANCE IDENTIFICATION

Potassium Sodium Tartrate

Synonyms: Rochelle Salt, Seignette Salt

1.2 USES OF THE SUBSTANCE

Metals treatment, preservative, hardening retardant for plaster and cement, micro-electronics industry.

1.3 COMPANY IDENTIFICATION

Company

TÁRTAROS GONZALO CASTELLÓ S.L.

Address

Calle Concepción Arenal, 32
03660-Novelda (Alicante). Spain.

Telephone 965602489

www.tartaric.com

Email address

vabad@tartaric.com

1.4 EMERGENCY TELEPHONE NUMBER

+ 34 96 560 24 89 + 34 96 560 63 50

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Based on the data we have, the product is not a hazardous material, according to the law on chemicals and provisions about hazardous materials currently in effect.

Physicochemical hazards: none identified.

Hazards for human: none identified.

Hazards for animals and the environment: none identified.

2.2 LABEL ELEMENTS

No need for a pictogram, pursuant to EC REG. Nº 1272/2008.

2.3 OTHER HAZARDS

No information available.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name: potassium sodium salt of L-2,3- dihydroxybutanedioic acid (99 +)

CAS NUMBER: 6381-59-5

EINECS NUMBER: 206-156-8

EU Nº: E-337. Food additive.

Molecular weight: 282,23

Formula: C₄H₄O₆KNa.4H₂O

Chemical formula: KOOCCH(OH)CH(OH)COONa.4H₂O

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SECTION 4: FIRST AID MEASURES

4.1 FIRST AID MEASURES DESCRIPTION

Skin contact: In case of contact with skin, wash off immediately with plenty of water. Consult a doctor if skin irritation persists.

Eyes contact: Rinse thoroughly with plenty of water, use alkaline eye drops and consult an ophthalmologist.

Ingestion: In the event of an ingestion, take sodium bicarbonate in moderate doses and seek medical advice.

Inhalation: Breathe fresh air, if necessary use a mask and seek medical advice.

4.2 MAIN SYMPTOMS AND EFFECTS

Irritating events.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Call a doctor in case of exposure.

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable extinguishing media: foam, carbon dioxide, water spray jet, dry powder.

Extinguishing media that must not be used: no limits.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

In case of fire, gas and hazardous vapours may be formed.

5.3 ADVICE FOR FIRE-FIGHTERS

Protective clothing for fire-fighting: it is recommended a mask breathing apparatus and suitable fireproof suit.

Additional information: extinguishing water must not enter drainage systems, soil or the water. Ensure there is sufficient fire-fighting water retention. Fire residues and contaminated fire-fighting water must be disposed of in accordance within the local regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTION DEVICES AND EMERGENCY PROCEDURES

Avoid generation of dust, do not inhale dust. Avoid contact with the substance. Ensure supply of fresh air in closed rooms. In case of particular sensitivity to the product, use safety glasses, closed clothing and dust masks.

6.2 ENVIRONMENTAL PRECAUTIONS

Sweep up or vacuum up spillage and collect in suitable container for disposal.

Avoid penetration into the sewerage system.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Collect and place them in a container suitable for recovery. Avoid generation of dust. After collection, flush away traces with water.

SECTION 7: HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

In case of particular sensitivity to the product, wear closed clothing that covers most of the body (not wear contact lenses), rubber gloves and a mask to avoid dust.

After using the product, especially if it is a powder material, wash off with plenty of water.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING POSSIBLE INCOMPATIBILITIES

Storage in a tightly closed container. Store in a fresh (25 °C) and dry area (<80 HR).

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7.3 SPECIFIC END USES

See paragraph 1.2.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETRES

Not applicable, not classified as a dangerous good, in accordance with EC 1272/2008.

8.2 EXPOSURE CONTROLS

8.2.1 Suitable technical controls

Ensure adequate ventilation, especially in confined areas.

8.2.2 Personal protection measures

Respiratory protection

No need for special protective equipment.

If dust: mask for dust with a filter of particles P2.

Hand protection

Wear cloth, leather or rubber gloves.

Eyes protections

Safety glasses with side-shields.

If dust: grid glasses.

Skin and body protection

Wear clothing that cover all the body to avoid skin irritation.

Hygiene measures

Not eat, drink or smoke during its use. Before breaks and once work is finished, wash the hands and/or the face.

8.2.3 ENVIRONMENTAL EXPOSURE CONTROLS

Do not pour waste waters directly into the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state: solid

Appearance/colour: powder or small white crystals.

Odour: odourless

Melting point

70-80°C

Decomposition temperature

220°C

Specific heat (20°C)

0,288 cal/mg/°C

Solubility in water

1111 g/l

pH (1%) en water

6,5 -8,5

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Specific density 20°C

1,2 gr/ml

Crystals form

Diamond-shaped prisms.

Explosive properties: Not explosive

Oxidising properties: Not oxidising

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

Stable under normal ambient conditions.

IT IS HYDROSCOPIC, IT IS NOT FLUORESCENT.

10.2 CHEMICAL STABILITY

The product is chemically stable under standard environmental conditions.

10.3 POSSIBLE HAZARDOUS REACTIONS

The product does not present hazardous reactions.

10.4 CONDITIONS TO AVOID

Strong heating.

10.5 INCOMPATIBLE MATERIALS

No information available.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

No information available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

This product IS NOT TOXIC.

Recommended human dose

0,38 mg/kg weight

Carcinogenicity

No data available.

Mutagenicity

No data available.

Main ways of absorption

Inhalation, mucous membranes, ingestion.

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY

Ecotoxicological effects: not known due to the concentrations that the product has.

It is biodegradable.

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12.2 PERSISTENCE ASSESSMENT

According to Annex XIII of regulation 1907/2006/EC and according to the Guidance on information requirements and chemical safety assessment Chapter R.11 PBT assessment, a substance does not fulfil the criterion “persistent (P)” and “very persistent (vP)” if it is readily biodegradable. As the substance is shown to be readily biodegradable with a biodegradation of above 80% it is not regarded as persistent or very persistent.

12.3 BIOACCUMULATION ASSESSMENT

According to Annex XIII of regulation 1907/2006/EC and according to the Guidance on information requirements and chemical safety assessment Chapter R.11 PBT assessment, a substance does not fulfil the criterion “bioaccumulative (B)” or “very bioaccumulative (vB)” if the BCF is below 2000 or the log Kow is below 4.5.

There is no experimental data on BCF. However, the log Kow is negative and below the criterion for bioaccumulation (logs Kow 4.5). Therefore, it can be concluded that the substance is neither bioaccumulative nor very bioaccumulative.

12.4 TOXICITY ASSESSMENT

According to Annex XIII of regulation 1907/2006/EC and according to the Guidance on information requirements and chemical safety assessment Chapter R.11 PBT assessment, a substance does not fulfil the criterion if there is no evidence of chronic toxicity and no classification as carcinogenic mutagenic, or toxic for reproduction, considering human health. As the substance is not toxic and not classified for human health, these criteria are not fulfilled. Furthermore, the substance is not toxic for aquatic organisms.

12.5 SUMMARY AND FINAL CONCLUSIONS ON PBT OR VPVB PROPERTIES

The substance does not fulfil the criteria for PBT or vPvB properties.

12.6 EMISSION CHARACTERISTICS

As the substance does not fulfil the criteria for PBT or vPvB, no emission assessment is required.

SECTION 13: DISPOSAL CONSIDERATIONS

In general, the disposal of chemical residues is regulated in each European country by specific laws and regulations.

Product: You can burn it using an afterburner and gas sensor.

Packaging: The paper and plastic can be incinerated.

SECTION 14: TRANSPORT INFORMATION

ADR/RID ROAD/RAILWAY TRANSPORT: Not classified as dangerous goods for transport.

IMDG SEA TRANSPORT: Not classified as dangerous goods for transport.

ICAO AND IATA AIR TRANSPORT: Not classified as dangerous goods for transport.

SECTION 15: REGULATORY INFORMATION

15.1 STANDARDS AND LAWS ON HEALTH, SAFETY AND ENVIRONMENT SPECIFIC FOR THE SUBSTANCE

Marking and labelling according to EEC directives. The substance is a food additive under EC Regulation 231/2012, and can be labelled as such. No special labelling is mandatory. The product is not on the list of dangerous substances (SVHC) according to REACH regulation.

SECTION 16: OTHER INFORMATION

The information contained herein is based on our present knowledge and tries to describe our product from the point of view of safety requirements, health and environment. Tártaros Gonzalo Castelló S.L. believes that the information provided is accurate and reliable at the date of issuance of this data sheet, but it is not responsible or guarantees its accuracy, reliability or completeness of information and data that cannot be considered as a guarantee in the legal sense by which Tártaros Gonzalo Castelló S.L. assumes legal responsibility.

It should be noted that the typical properties mentioned in this safety data sheet are for information only and do not constitute a specification.

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