



## SODIUM TARTRATE

### 1. Product Identification

**Synonyms:** SAL tartar; disodium tartrate; sodium tartrate dihydrate; 2,3 dihydroxy-[R-(R\*, R\*)]-, disodium salt, dihydrate butanedioic acid  
**CAS No.:** 868-18-8 (Anhydrous); 6106-24-7 (Dihydrate)  
**Molecular Weight:** 230.08  
**Chemical Formula:** NaOCO (CHOH)2COONa . 2H2O

### 2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Sodium Tartrate	868-18-8	99 - 100%	Yes

### 3. Hazards Identification

#### Emergency Overview

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

SAF-T-DATA<sup>(tm)</sup> Ratings (Provided here for your convenience)

Health Rating: 1 - Slight  
 Flammability Rating: 1 - Slight  
 Reactivity Rating: 0 - None  
 Contact Rating: 1 - Slight  
 Lab Protective Equip: GOGGLES; LAB COAT; PROPER GLOVES  
 Storage Color Code: Green (General Storage)

#### Potential Health Effects

The human health effects from exposure to this substance are not known.

#### Inhalation:

May cause mild irritation to the respiratory tract.

#### Ingestion:

Large oral doses may cause gastrointestinal disturbances.

#### Skin Contact:

May cause mild irritation.

#### Eye Contact:

May cause mild irritation.

#### Chronic Exposure:

No information found.

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**Aggravation of Pre-existing Conditions:**  
No information found.

## 4. First Aid Measures

**Inhalation:**

Remove to fresh air. Get medical attention for any breathing difficulty.

**Ingestion:**

Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

**Skin Contact:**

Wash exposed area with soap and water. Get medical advice if irritation develops.

**Eye Contact:**

Wash thoroughly with running water. Get medical advice if irritation develops.

## 5. Fire Fighting Measures

**Fire:**

Slight fire hazard when exposed to heat or flame.

**Explosion:**

Not considered to be an explosion hazard.

**Fire Extinguishing Media:**

Use any means suitable for extinguishing surrounding fire.

**Special Information:**

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

## 6. Accidental Release Measures

Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container.

## 7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from any source of heat or ignition. Isolate from oxidizing materials. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

## 8. Exposure Controls/Personal Protection

**Airborne Exposure Limits:**

None established.

**Ventilation System:**

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

**Personal Respirators (NIOSH Approved):**

For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

**Skin Protection:**

Wear protective gloves and clean body-covering clothing.

**Eye Protection:**

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

## 9. Physical and Chemical Properties

**Appearance:**

White crystals.

**Odor:**

Odorless to slight tartaric odor.

**Solubility:**

29 g/100 g water at 6C (42.8F)