



SPECIFICATION

Sodium Metabisulfite

Chemical Name: Sodium Metabisulfite
Cas Number: 7681-57-4
HS Code: 3802.10.00
Formula: Na₂S₂O₅
Industry: Food and Beverage,Textile,Leather

Physical and chemical properties

1.1 Information on basic physical and chemical properties

- a) Appearance Form: powder
Color: colorless
- b) Odor pungent
- c) Odor Threshold No data available
- d) PH 4,5 at 50 g/l at 20 °C
- e) Melting point/freezing point Melting point/range: > 150 °C - Decomposition
- f) Initial boiling point and boiling range No data available
- g) Flash point No data available
- h) Evaporation rate No data available
- i) Flammability (solid,gas)

The product is not flammable. - Flammability (solids)

- j) Upper/lower flammability or explosive limits No data available
- k) Vapor pressure No data available
- l) Vapor density No data available
- m) Density 2,36 g/cm³ at 20 °C Relative density No data available
- n) Water solubility 650 g/l at 20 °C
- o) Partition coefficient: n-octanol/water Not applicable for inorganic substances
- p) Autoignition temperature No data available
- q) Decomposition temperature No data available
- r) Viscosity Viscosity, kinematic: No data available Viscosity, dynamic: No data available
- s) Explosive properties Not classified as explosive.
- t) Oxidizing properties None

Appearance

White or Slight Yellow Crystal Powder
Packaging:1000 @ 25 kg net PP woven bag with PE inner, 25 MT / 20'FCL

Exposure controls/personal protection

Exposure controls/personal protection

2.1 Control parameters

Ingredients with workplace control parameters

2.1 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).



Skin protection

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please

Full contact

Material: Nitrile rubber
Minimum layer thickness: 0,11 mm
Break through time: 480 min

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Splash contact

Material: Nitrile rubber
Minimum layer thickness: 0,11 mm
Break through time: 480 min

Body Protection

protective clothing

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 P2

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.

Description

Food Industry

Sodium metabisulfite is used as a preservative and antioxidant in food and is also known as E223. It may cause allergic reactions in those who are sensitive to sulfites, including respiratory reactions in asthmatics, anaphylaxis and other allergic reactions in sensitive individuals. Sodium metabisulfite and potassium metabisulfite are the primary ingredients in Campden tablets, used for wine and beer making.

Textile Industry

Sodium metabisulfite is used as a bleaching and dechlorination agent for bleached cotton. It is also used in the deliming process during leather processing and prevents the formation of toxic sulfide gas. It bleaches the leather and makes leather soft, well-developed, tough, waterproof, anti-break, wear-ability and etc.

Cleaning Agent

It is commonly used in home brewing and winemaking to sanitize equipment. It is used as a cleaning agent for potable water reverse osmosis membranes in desalination systems. It is also used to remove chloramine from drinking water after treatment.

Other Applications

In photography industry, sodium metabisulfite is used for production of developer solution and acidising fixation baths.



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Concentrated sodium metabisulfite can be used to remove tree stumps. It is also used as an excipient in some tablets, such as paracetamol.

Application

Food Industry

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Assessor: Yang shu

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