
SAFETY DATA SHEET

According to Regulation(EC)No. 1907/2006

Revision Date: Jan.,01,2022

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name: Potassium sorbate

Synonyms :2,4-Hexadienoic acid, potassium salt; Sorbic acid potassium salt

CAS Number:24634-61-5

EINECS Number:246-376-1

1.2 Relevant identified uses of the substance or mixture and uses advised against Food Additive

1.3 Details of the supplier of the safety data sheet

Company: Nantong acetic acid chemical Co.Ltd

No.968 Jiangshan Road Nantong Economic and Technological Development Zone,Jiangsu,China

Tel:0086-513-85559168

Fax:0086-513-85544224

E-mail:lf@ntacf.com

Responsible/issuing person: Liu Fan

1.4 Emergency telephone number

Emergency telephone number :0086-513-85559137

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin irritation , Category 2,H315

Eye irritation , Category 2,H319

For the full text of the H-Statements mentioned in this Section,see Section 16.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xi;R36/38

For the full text of the R-phrases mentioned in this Section ,see Section 16.

2.2 Label elements

Labelling ES (67/548/EEC, 1999/45/EC)

Symbol: Xi Irritant

R-phrases: 36/38 Irritating to eyes and skin.

SAFETY DATA SHEET

According to Regulation(EC)No. 1907/2006

Product name: Potassium sorbate

Labelling (CLP)

Hazard pictograms



Signal word: Warning

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection

P264 Wash hands thoroughly after handling

P305 + P351 + P338 IF IN EYES-Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.Continue rinsing.

P332+313 If skin irritation occurs:Get medical advice

P337+313 If eye irritation occurs: Get medical advice

2.3 Other Hazards

None known.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

CAS-No. 24634-61-5

EC No. 246-376-1

Chemical formula $C_6H_7KO_2$

Molar mass 150.22

Concentration: 100 %

3.2 Mixtures

No information available.

4 FIRST AID MEASURES

4.1 Description of first aid measures

General information

Instantly remove any clothing soiled by the product.

After inhalation

Supply fresh air and call for doctor for safety reasons.

After skin contact

Instantly wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

SAFETY DATA SHEET

According to Regulation(EC)No. 1907/2006

Product name: Potassium sorbate

After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

After swallowing

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; instantly call for medical help.

4.2 Most important symptoms and effects, both acute and delayed

Irritant effects

4.3 Indication of immediate medical attention and special treatment needed

No information available.

5 FIRE -FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

Water spray ,Carbon dioxide (CO₂) ,Dry chemical, chemical foam.

Unsuitable extinguishing media

None in particular.

5.2 Special hazards arising from the substance or mixture

Combustible material

Risk of dust explosion

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

5.3 Advice for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Wear protective equipment. Keep unprotected persons away.

Avoid causing dust.Keep away from ignition sources.

6.2 Environmental precautions

Do not allow product to reach sewage system or water bodies.

6.3 Methods and materials for containment and cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal. Do not let this chemical enter the environment.

Clean up affected area. Avoid generation of dusts.

Dispose of the material collected according to regulations.

SAFETY DATA SHEET

According to Regulation(EC)No. 1907/2006

Product name: Potassium sorbate

6.4 Reference to other sections

Indications about protective equipment See Section 8.

Indications about waste treatment See Section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes .Do not breathe dust. Do not breathe vapors or spray mist. Do not ingest.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a dry and well-ventilated place. Keep container tightly closed.

Store only in the original container. Store at +15 to +25 °C.

Store away from oxidizing agents.

Non suitable material: alluminio, zinco, stagno.

7.3 Specific end uses

No further relevant information available.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits :This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) :No information available.

Predicted No Effect Concentration(PNEC):No information available.

8.2 Exposure controls

Engineering Measures: Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Eye Protection: Safety glasses

Hand Protection :Protective gloves

Skin and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection :Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene Measures :Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls :Do not empty into drains.

9 PHYSICAL AND CHEMICAL PROPERTIES

SAFETY DATA SHEET

According to Regulation(EC)No. 1907/2006

Product name: Potassium sorbate

9.1 Information on basic physical and chemical properties

Form: Powder, Solid

Colour: White

Odour: Odourless

Odour Threshold: No information available.

pH (1.400 g/l) at 20°C: 8-11

Vapor Pressure: No information available.

Vapor Density :No information available.

Boiling Point/Range: No information available.

Melting Point/Range : No information available.

Decomposition temperature: 270 °C

Flash Point :No information available.

Inflammability (solid, gaseous) :Product is not inflammable.

Water Solubility: 58.2 % (20°C)

Segregation coefficient (n-octanol/water): 1.33 log POW (calc.)

Viscosity

dynamic: No information available.

kinematic: No information available.

Specific Gravity :1.363

9.2 Other data

Ignition temperature >150°C

Bulk density: ca.370kg/m³

10 STABILITY AND REACTIVITY

10.1 Reactivity

Risk of dust explosion

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous Reactions:violent reactions possible with Oxidizing agents.

10.4 Conditions to avoid

Incompatible products,strong heating.

10.5 Incompatible materials

Al, Sn, Zn.

Strong oxidizing agents.

SAFETY DATA SHEET

According to Regulation(EC)No. 1907/2006

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10.6 Hazardous decomposition products

Carbon monoxide (CO). Carbon dioxide (CO₂).

11 TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Acute oral toxicity:LD50 (rat)=3800 mg/kg

Acute inhalation toxicity

Symptoms:slight mucosal irritations.

Skin irritation: Causes Skin irritation.

Eye irritation: rabbit, causes serious eye irritation(OECD405).

Genotoxicity in vitro

Ames test :salmonella typhimurium-negative(IUCLID)

Specific target organ toxicity-single exposure

The substance or mixture is not classified as specific target organ toxicant,single exposure.

Specific target organ toxicity-repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration hazard

No aspiration toxicity classification.

11.2 Further Information

Hazardous properties cannot be excluded.

Handle in accordance with good industrial hygiene and safety practice.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish: LC50/96 h= 1250 mg/L(Danio rerio(zebra fish)) (OECD 203)

Toxicity to daphnia and other aquatic invertebrates:

EC50/48 h =750 mg/L(daphnia magna(water flea)) (OECD 202)

Toxicity to bacteria:

EC0/16h>1000 mg/L(Pseudomonas putida) (DIN 38421 TEIL 8(IUCLID))

12.2 Persistence and degradability

Readily degradable

12.3 Bioaccumulative potential

Not worth-mentioning accumulating in organisms.

12.4 Mobility in soil

No information available.

SAFETY DATA SHEET

According to Regulation(EC)No. 1907/2006

Product name: Potassium sorbate

12.5 Results of PBT and vPvB assessment

PBT/ vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects

Additional ecological information

Do not allow product to reach ground water, water bodies or sewage system or soil.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste treatment methods

Must not be disposed of together with household garbage.

Uncleaned packagings

Disposal must be made according to official regulations.

Recommended cleaning agent: Water, if necessary with cleaning agent.

14 TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulation.

IMDG/IMO Not regulated

ADR Not regulated

IATA Not regulated

15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

National regulations

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

16 OTHER INFORMATION

Full text of H-Statements referred to under section 2.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Text of R phrases mentioned in Section 2

R36/38 - Irritating to eyes and skin.

Training advice: Provide adequate information, instruction and training for operators.

SAFETY DATA SHEET

According to Regulation(EC)No. 1907/2006

Product name: Potassium sorbate

DISCLAIMER AND LIMITATION OF LIABILITY

The supplier makes no warranty of any kind, expressed or implied, concerning the use of this product either singly or in combination with other substances. User assumes all risks incident to its use. All information above represents the best information currently available to us. However, neither Nantong acetic acid chemical Co.Ltd nor any of its subsidiaries or affiliates assume any responsibility whatsoever for the accuracy or completeness of the information contained herein.