

# Safety Data Sheet

## According to Regulation (EC) No 1907/2006

Disodium succinate/Disodium succinate hexahydrate

Version 1.0

Issue date: 02/07/2013

Revision date: 02/07/2013

SDS Record Number: CSSS-TCO-010-113172

### Section 1 Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier:

Identification on the label/Trade name: Disodium succinate/Disodium succinate hexahydrate  
Additional identification: Not available  
Identification of the product: CAS# 150-90-3/ 6106-21-4; EC# 205-778-7/N/A  
Index Number: Not available  
REACH registration No.: Not available

#### 1.2 Relevant identified uses of the substance and uses advised against:

##### 1.2.1 Identified uses:

Used as a flavoring agent, sour agent, buffer.

##### 1.2.2 Uses advised against:

Not available.

#### 1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative):  
Supplier(Manufacturer): Anhui Sunsing Chemicals Co.,Ltd.  
Address: No.1, Qiyun Road, Chizhou, Anhui Province, China  
Contact person(E-mail): ahjhs@sunsingchem.com  
Telephone: +86-566-2023179  
Fax: +86-566-2023793

#### 1.4 Emergency telephone Number:

+86-566-2023179 Only available during office hours (9:00a.m.-17:00p.m. Beijing Time Zone)

Available outside office hours? YES  NO

### Section 2 Hazards Identification

#### 2.1 Classification of the substance/mixture:

##### 2.1.1 Classification:

The substance is classified as following according to 67/548/EEC and REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard statement
Skin Irrit. 2	H315
Eye Irrit. 2	H319
STOT SE 3	H335

For full text of H- phrases: see section 2.2.

67/548/EEC	
Hazards characteristics	R-Phrases
Xi	R36/37/38

For full text of R- phrases: see section 16.

Product name: Disodium succinate/Disodium succinate hexahydrate

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## 2.2 label elements:

### Hazard Pictograms:



### Signal Word(S):

**Warning**

### Hazard Statement:

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

### Precautionary statement:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash hands thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P332 + P313: If skin irritation occurs: Get medical advice/attention.

P337 + P313: If eye irritation persists: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

P501: Dispose of contents/container to authorised waste disposal contractor.

## 2.3 Other hazards:

This substance is not identified as a PBT substance.

## Section 3 Composition/information on ingredients

### Substance/Mixture:

Substance

### Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
Disodium succinate	N/A	150-90-3	205-778-7	90%-100%
Disodium succinate hexahydrate	N/A	6106-21-4	N/A	90%-100%

## Section 4 First aid measures

### 4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

#### 4.1.1 In case of inhalation:

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

#### 4.1.2 In case of skin contact:

Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

#### 4.1.3 In case of eyes contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

#### 4.1.4 In case of ingestion:

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

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

Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

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

If skin irritation or rash occurs, get medical advice/attention.

### Section 5 Fire-Fighting measures

#### 5.1 Extinguishing media:

**Suitable extinguishing media:**

Use any means suitable for extinguishing surrounding fire.

**Unsuitable extinguishing media:**

Not available.

#### 5.2 Special hazards arising from the substance or mixture

Not flammable or combustible. Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sodium oxides

#### 5.3 Special fire fighting methods and special protective actions for fire-fighters:

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.

### Section 6 Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures:

**6.1.1 For non-emergency personnel:**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

**6.1.2 For emergency responders:**

Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

#### 6.2 Environmental Precautions:

Do not let the product get into the drains.

#### 6.3 Methods for Containment and Cleaning up:

Ventilate area of leak or spill. Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

#### 6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

#### 6.5 Additional information:

Not applicable.

### Section 7 Handling and storage

#### 7.1 Precautions for safe handling:

**7.1.1 Protective measures:**

Avoid breathing dust/fume/gas/mist/vapours/spray. Use in a well-ventilated areas. Wear protective gloves/protective clothing/eye protection/face protection. Wash with water thoroughly after handling. 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. Do not eat, drink or smoke when using this product.

**7.1.2 Advice on general occupational hygiene:**

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

**7.2 Conditions for safe storage, including any incompatibilities:**

Store in a well ventilated and dark place. Keep container closed.

**7.3 Specific end use(s):**

Not applicable.

## Section 8 Exposure Controls/Personal Protection

**8.1 Control parameters:**

**8.1.1 Occupational exposure limits:** Not available.

**8.1.2 Additional exposure limits under the conditions of use:** Not available.

**8.1.3 DNEL/DMEL and PNEC-Values:** Not available.

**8.2 Exposure controls:**

**8.2.1 Appropriate engineering controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**8.2.2 Individual protection measures, such as personal protective equipment:**

**Eye/face protection:** Safety glasses. Ensure eye bath is to hand.

**Hand protection:** Protective gloves.

**Body protection:** Wear protective gloves and clean body-covering clothing.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.

**Thermal hazards:** Wear suitable protective clothing to prevent heat.

**8.2.3 Environmental exposure controls:** Not applicable

## Section 9 Physical and chemical properties

**9.1 Information on basic physical and chemical properties:**

**Appearance:** White granules or crystalline powder.

**Colour:** White

**Odour:** Odorless

**Odour threshold:** Not available

**pH:** Not available

**Melting point/range (°C):** 120°C Loses all its water

**Boiling point/range (°C):** Not available

**Flash point (°C):** Not available

**Evaporation rate:** Not available

**Flammability limit - lower (%):** Not available

**Flammability (solid, gas):** Not available

**Ignition temperature (°C):** Not available

**Upper/lower flammability/explosive limits:** Not available

**Vapour pressure (20°C):** Not available

**Vapour density:** Not available

**Relative Density:** Not available

<b>Bulk density (kg/m<sup>3</sup>):</b>	Not available
<b>Water solubility (g/l):</b>	Not available
<b>n-Octanol/Water (log Po/w):</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity, dynamic (mPa.s):</b>	Not available
<b>Explosive properties:</b>	Not available
<b>Oxidising properties:</b>	Not available
<b>Molecular Formula:</b>	C <sub>4</sub> H <sub>4</sub> O <sub>4</sub> Na <sub>2</sub> /C <sub>4</sub> H <sub>4</sub> Na <sub>2</sub> O <sub>4</sub> ·6H <sub>2</sub> O
<b>Molecular Weight:</b>	162.05/270.15

## 9.2. Other information:

<b>Fat solubility(solvent– oil to be specified) etc:</b>	Not available
<b>Surface tension:</b>	Not available
<b>Dissociation constant in water( pKa):</b>	Not available
<b>Oxidation-reduction Potential:</b>	Not available
<b>Specific gravity:</b>	Not available

## Section 10 Stability and reactivity

<b>10.1 Reactivity:</b>	Not available
<b>10.2 Chemical stability:</b>	Stable under recommended storage conditions.
<b>10.3 Possibility of hazardous reactions:</b>	No dangerous reactions known.
<b>10.4 Conditions to avoid:</b>	Incompatible materials. Heat.
<b>10.5 Incompatible materials:</b>	Strong oxidizing agents, strong acids.
<b>10.6 Hazardous decomposition products:</b>	Hazardous decomposition products formed under fire conditions: carbon oxides, sodium oxides.

## Section 11 Toxicological information

<b>11.1 Toxicokinetics, metabolism and distribution:</b>	
<b>Non-human toxikological data:</b>	Not available
<b>11.2 Information on toxicological effects:</b>	
<b>Acute toxicity:</b>	
<b>LD50(Oral, Rat):</b>	Not classified
<b>LD50(Dermal, Rabbit):</b>	Not classified
<b>LC50(Inhalation, Rat):</b>	Not classified
<b>Skin corrosion/Irritation:</b>	Causes skin irritation.
<b>Serious eye damage/irritation:</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitization:</b>	Not classified
<b>Germ cell mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified
<b>Reproductive toxicity:</b>	Not classified
<b>STOT- single exposure:</b>	May cause respiratory irritation.
<b>STOT-repeated exposure:</b>	Not classified

## Section 12 Ecological information

### Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

<b>Persistence and degradability:</b>	Not available.
<b>Bioaccumulative potential:</b>	Not available.
<b>Mobility in soil:</b>	No data available.
<b>Results of PBT&amp;vPvB assessment:</b>	This substance is not identified as a PBT substance.
<b>Other adverse effects:</b>	No other adverse effects

## Section 13 Disposal considerations

<b>13.1 Waste treatment methods:</b>	Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options.
<b>13.2 Product / Packaging disposal:</b>	State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
<b>UN-Number</b>	Not regulated	Not regulated	Not regulated
<b>UN Proper shipping name</b>	Not regulated	Not regulated	Not regulated
<b>Transport hazard Class</b>	Not regulated	Not regulated	Not regulated
<b>Packaging group</b>	Not regulated	Not regulated	Not regulated
<b>Environmental hazards</b>	No	No	No
<b>Special precautions for user</b>	See section 2.2	See section 2.2	See section 2.2
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not regulated	Not regulated	Not regulated

## Section 15 Regulation information

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

<b>Relevant information regarding authorization:</b>	Not applicable.
<b>Relevant information regarding restriction:</b>	Not applicable.
<b>Other EU regulations:</b>	Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.
<b>Other National regulations:</b>	Not applicable

Chemical Safety Assessment has been carried out? YES

NO

## Section 16 Other information

### 16.1 Indication of changes:

### 16.2 Relevant R- phrases (number and full text):

R36/37/38 Irritating to eyes, respiratory system and skin.

### 16.3 Training instructions:

Not applicable.

### 16.4 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

### 16.5 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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