

## Safety Data Sheet (SDS)

Product Name: Succinic Acid  
CAS Number: 110-15-6  
EC Number: 203-740-4  
Molecular Formula: C<sub>4</sub>H<sub>6</sub>O<sub>4</sub>  
Molecular Weight: 118.09 g/mol

### 1. Identification

Product identifier  
Succinic Acid

Recommended use  
Laboratory chemical, analytical reagent, technical compound for research and laboratory use.

Supplier  
Rexar  
Genestetstraat 3  
2394 XK Hazerswoude Rijndijk  
Netherlands  
info@rexar.nl

### 2. Hazard Identification

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Eye Irritation, Category 2  
H319 Causes serious eye irritation

Label elements

Hazard pictogram  
GHS07 (Exclamation mark)

Signal word  
Warning

Hazard statement  
H319 Causes serious eye irritation

Precautionary statements  
P264 Wash hands thoroughly after handling  
P280 Wear protective gloves and eye protection  
P305 + P351 + P338 If in eyes: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing

### 3. Composition / Information on Ingredients

Substance  
Succinic Acid

CAS Number  
110-15-6

EC Number  
203-740-4

Purity  
Typically  $\geq 98\%$

#### 4. First Aid Measures

General advice  
Remove contaminated clothing. Seek medical advice if symptoms persist.

Inhalation  
Move the person to fresh air. Seek medical attention if irritation occurs.

Skin contact  
Wash skin thoroughly with soap and water.

Eye contact  
Rinse cautiously with water for several minutes. Seek medical attention if irritation persists.

Ingestion  
Rinse mouth with water. Do not induce vomiting. Seek medical attention if discomfort occurs.

#### 5. Fire Fighting Measures

Suitable extinguishing media  
Water spray, dry chemical powder, carbon dioxide or foam.

Specific hazards  
Combustion may produce carbon oxides.

Protective equipment  
Firefighters should wear appropriate protective equipment and self-contained breathing apparatus.

#### 6. Accidental Release Measures

Personal precautions  
Use appropriate personal protective equipment. Avoid dust formation.

Environmental precautions  
Prevent large quantities from entering drains or waterways.

#### Methods for cleanup

Sweep or collect material and place in suitable container for disposal.

### 7. Handling and Storage

#### Handling

Handle in accordance with good laboratory practice. Avoid dust formation and contact with eyes.

#### Storage

Store in a cool, dry and well-ventilated area. Keep container tightly closed.

### 8. Exposure Controls / Personal Protection

#### Engineering controls

Use adequate ventilation.

#### Personal protective equipment

##### Eye protection

Safety glasses

##### Skin protection

Protective gloves

##### Respiratory protection

Not normally required under standard laboratory conditions.

### 9. Physical and Chemical Properties

#### Appearance

White crystalline powder

#### Odor

Odorless or slight odor

#### Melting point

Approx. 185 °C

#### Solubility

Soluble in water

### 10. Stability and Reactivity

#### Stability

Stable under recommended storage conditions.

#### Conditions to avoid

Excessive heat and moisture.

Incompatible materials  
Strong oxidizing agents.

Hazardous decomposition products  
Carbon oxides.

#### 11. Toxicological Information

Acute toxicity  
No significant acute toxicity reported at laboratory exposure levels.

Skin irritation  
May cause mild irritation.

Eye irritation  
Causes serious eye irritation.

#### 12. Ecological Information

Ecotoxicity  
No significant environmental hazards expected at normal laboratory quantities.

Persistence and degradability  
Biodegradable.

#### 13. Disposal Considerations

Dispose of material in accordance with local, regional and national regulations.  
Small quantities may be disposed of through licensed chemical waste handlers.

#### 14. Transport Information

UN number  
Not regulated for transport.

Transport hazard class  
Not classified as hazardous for transport.

#### 15. Regulatory Information

Classification according to EU CLP Regulation (EC) No. 1272/2008.

Eye Irritation Category 2 – H319

#### 16. Other Information

This Safety Data Sheet is provided for laboratory safety guidance.  
The product is supplied as a chemical substance for research, analytical or technical applications only.

Not intended for human or animal consumption or for medical use.