



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic)

# $\alpha$ -Ketoglutaric acid disodium salt anhydrous: sc-284960



## MATERIAL SAFETY DATA SHEET

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The Power to Question

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:**  $\alpha$ -Ketoglutaric acid disodium salt anhydrous  
**Product Number:** sc-284960  
**Supplier:** Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, CA 95060  
800.457.3801 or 831.457.3800  
**Emergency:** ChemWatch  
Within the US & Canada: 877-715-9305  
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

### 2. HAZARD(S) IDENTIFICATION

**OSHA Haz Com: CFR 1910.1200:** Not classifiable  
**Signal word:** None  
**Hazard Statement(s):** None  
**Pictogram(s) or Symbol(s):** None  
**Precautionary Statement(s):** None  
**Supplimentary Information:** While this material is not classified as hazardous under OSHA, this SDS contains valuable information critical to safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/Mixture:** Substance  
**Components:** Disodium 2-Oxoglutarate  
**CAS Number:** 305-72-6  
**Molecular Weight:** 190.06  
**Chemical Formula:** C<sub>5</sub>H<sub>4</sub>Na<sub>2</sub>O<sub>5</sub>  
**Synonyms:** Disodium 2-Ketoglutarate , 2-Ketoglutaric Acid Disodium Salt , 2-Oxoglutaric Acid Disodium Salt

### 4. FIRST-AID MEASURES

**Inhalation:** Move victim to fresh air. Call emergency medical service. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

**Skin contact:** Remove and isolate contaminated clothing and shoes. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

**Eye contact:** Move victim to fresh air. Check for and remove any contact lenses. In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. Keep victim warm and quiet. Treat symptomatically and supportively. Effects of exposure to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

**Ingestion:** If a person vomits place them in the recovery position so that vomit will not reenter the mouth and throat. Rinse mouth. Keep victim warm and quiet. Loosen tight clothing such as a collar, tie, belt or waistband. If swallowed, seek medical advice immediately and show the container or label. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Effects of exposure (ingestion) to substance may be delayed.

**Symptoms/effects:**

**Acute:** No data available  
**Delayed:** No data available  
**Immediate medical attention:** If breathing has stopped, perform artificial respiration. Use first aid treatment

according to the nature of the injury. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Dry chemical, CO<sub>2</sub>, water spray, or alcohol-resistant foam. Consult with local fire authorities before attempting large scale fire fighting operations.

**Specific hazards arising from the chemical**

**Hazardous combustion products:** These products include: Carbon oxides Metallic oxides

**Other specific hazards:** Closed containers may explode from heat of a fire.

**Special precautions for fire-fighters:**

Not available

**Special protective equipment for fire-fighters:**

Structural fire fighters' protective clothing provides limited protection in fire situations ONLY; it may not be effective in spill situations.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (Section 8).

**Personal protective equipment:** Wear protective clothing, gloves and eye protection.

**Emergency procedures:** In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and exercise caution.

**Methods and materials for containment and cleaning up:**

Dike far ahead of liquid spill for later disposal.

**Environmental precautions:**

Prevent entry into sewers, basements or confined areas.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.

**Conditions for safe storage:** Keep container tightly closed in a dry and well-ventilated place. Store under inert gas (e.g. Argon). Hygroscopic material, store in a tightly sealed container at room temperature.

**Storage incompatibilities:** Store away from oxidizing agents

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limits:** No data available

**Appropriate engineering controls:**

Good general ventilation should be sufficient to control airborne levels. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substance. Follow safe industrial engineering/laboratory practices when handling any chemical.

**Personal protective equipment**

**Respiratory protection:** Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.

**Hand protection:** Wear protective gloves.

**Eye protection:** Safety glasses.

**Skin and body protection:** Lab coat.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C)	Solid	Form	Crystal - Powder
Odor	No data available	Odor threshold	No data available
Melting point/freezing point	No data available	Boiling point/range	No data available
Decomposition temperature	No data available	Relative density	No data available
Kinematic viscosity	No data available	pH	No data available
Vapor pressure	No data available	Vapor density	No data available
Dynamic Viscosity	No data available	Flash Point	No data available
Autoignition temperature	No data available	Flammability/Explosive limits	No data available
Solubility	Water	Flammability (solid, gas)	No data available
Evaporation rate	No data available	Partition coefficient	No data available
(Butyl Acetate=1)		n-octanol/water (log Pow)	

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not Available.

**Chemical Stability:** Stable under recommended storage conditions. (See Section 7)

**Possibility of Hazardous Reactions:** No hazardous reactivity has been reported.  
**Conditions to avoid:** Avoid excessive heat and light.  
**Incompatible materials:** Moisture, Strong oxidizing agents  
**Hazardous Decomposition Products:** No data available

## 11. TOXICOLOGICAL INFORMATION

**RTECS Number:** SA0454700

**Acute Toxicity:**

ori-rat LD50:7.1 g/kg

**Skin corrosion/irritation:**

No data available

**Serious eye damage/irritation:**

No data available

**Respiratory or skin sensitization:**

No data available

**Germ cell mutagenicity:**

No data available

**Carcinogenicity:**

No data available

**IARC:** No data available

**NTP:** No data available

**Reproductive toxicity:**

No data available

**Routes of Exposure:**

Inhalation, Eye contact, Ingestion.

**Symptoms related to exposure:**

No specific information is available in our data base regarding the toxic effects of this material for humans. However, exposure to any chemical should be kept to a minimum. Always follow safe industrial hygiene practices and wear proper protective equipment when handling this compound.

**Potential Health Effects:**

No specific information available; skin and eye contact may result in irritation. May be harmful if inhaled or ingested.

**Target organ(s):** No data available

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

**Fish:** No data available

**Crustacea:** No data available

**Algae:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential (BCF):** No data available

**Mobility in soil:** No data available

**Soil adsorption (Koc):** No data available

**Henry's Law: constant (PaM3/mol)**

No data available

## 13. DISPOSAL CONSIDERATIONS

**Disposal of product:**

Recycle to process if possible. It is the generator's responsibility to comply with Federal, State and Local rules and regulations. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. This section is intended to provide assistance but does not replace these laws, nor does compliance in accordance with this section ensure regulatory compliance according to the law. US EPA guidelines for Identification and Listing of Hazardous Waste are listed in 40 CFR Parts 261.

**Disposal of container:**

Dispose of as unused product.

**Other considerations:**

Observe all federal, state and local regulations when disposing of the substance.

## 14. TRANSPORT INFORMATION

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

## 15. REGULATORY INFORMATION

**Toxic Substance Control Act (TSCA 8b.):**

This product is ON the EPA Toxic Substances Control Act (TSCA) inventory.

**US Federal Regulations**

**CERCLA Hazardous substance and Reportable Quantity:**

SARA 313:	Not Listed
SARA 302:	Not Listed
<b>State Regulations</b>	
<b>State Right-to-Know</b>	
Massachusetts	Not Listed
New Jersey	Not Listed
Pennsylvania	Not Listed
California Proposition 65:	Not Listed
<b>Other Information</b>	
<b>NFPA Rating:</b>	
Health:	1
Flammability:	0
Instability:	0
<b>HMIS Classification:</b>	
Health:	0
Flammability:	0
Physical:	0
<b>International Inventories</b>	
WHMIS hazard class:	No data available.
Canada: DSL	On DSL
EC-No:	206-167-8
Notice Through Official Gazettes	Reference Number: (Japan)
ENCS:	Not Listed

## 16. OTHER INFORMATION

*The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.*

6/26/2014