SDS · SAFETY DATA SHEET (GHS / REACH)

Alpha-ketoglutaric acid AKG 10 g

Article: VV26091101 · **INCI:** Alpha-Ketoglutaric Acid
Document No. SDS-1470329-EN-2611 · **Revision:** 11.2026

Product page

1 Identification of the substance/mixture and of the company

Trade name	Alpha-ketoglutaric acid AKG 10 g
Article	VV26091101
INCI	Alpha-Ketoglutaric Acid
Recommended use	Food supplements, nutraceuticals, sports nutrition, powdered formulas, capsules, tablets, functional foods, biotechnology, fermentation processes, cell culture media, laboratory reagents, biochemical research, cosmetic developments
Uses advised against	None identified.
Supplier	**Mylo-Opt** 1st Pishchanyi Lane, 1, Kremenchuk, Poltava region, Ukraine +38 (063) 690-06-72 · mysoapoptom@gmail.com мыло-опт.com.ua
Emergency telephone	+38 (063) 690-06-72 (Mon–Fri, 8:00–17:00)

2 Hazards identification

Classification (CLP/GHS)	Skin Irrit. 2, H315; Eye Irrit. 2, H319.
Label elements	See “Other hazards”.
Other hazards	Signal word: Warning. P264, P280, P302+P352, P305+P351+P338.

3 Composition / information on ingredients

Mixture. Components are not classified as hazardous at the stated concentrations unless otherwise stated in section 2.

Component	CAS	EC	Content, %
Alpha-Ketoglutaric Acid	328-50-7	206-330-3	≥ 95

4 First aid measures

Inhalation	Move to fresh air. Seek medical advice if breathing difficulties occur.

Skin	Wash off with water and a mild cleanser.
Eyes	Do not rub. Rinse with plenty of water for 10–15 min. Seek medical advice if irritation persists.
Ingestion	Rinse mouth with water. Do not induce vomiting. Seek medical advice if unwell.
Most important symptoms	Mechanical eye irritation, coughing on dust inhalation.

5 Firefighting measures

Flammability	Not highly flammable.
Extinguishing media	Water spray, foam, dry powder, CO_2.
Hazardous combustion products	On combustion – carbon oxides (CO, CO_2), possibly nitrogen and sulfur oxides.
Firefighter equipment	Self-contained breathing apparatus and protective clothing.

6 Accidental release measures

Personal precautions	Avoid dust formation and inhalation. Use protective equipment (section 8).
Environmental precautions	Do not allow to enter drains or water bodies.
Clean-up methods	Collect mechanically (vacuum with filter or damp wiping) and place in a closed container for disposal.

7 Handling and storage

Safe handling	Avoid dust formation. Ensure ventilation. Do not eat or drink while working. Wash hands after handling.
Storage conditions	in tightly closed original container, in a cool dry place, protected from direct sunlight, at +5...+25 °C
Incompatible materials	Strong alkalis, oxidizers.

8 Exposure controls / personal protection

Occupational exposure limits	Not established.
Engineering controls	General and local exhaust ventilation.
Respiratory protection	FFP2 dust mask where dust is generated.
Eye protection	Safety glasses with side shields.

Hand protection	Nitrile gloves.

9 Physical and chemical properties

Physical state / appearance	Powder or crystals
Color	White
Odor	characteristic
pH	not determined
Melting point	not determined
Density	0.9–1.3 g/cm³
Bulk density	0.3–0.8 g/cm³
Solubility	water
Flash point	not applicable / > 100 °C
Explosive properties	none

10 Stability and reactivity

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	High temperature, direct sunlight, freezing.
Hazardous decomposition	On combustion – carbon oxides (CO, CO_2), possibly nitrogen and sulfur oxides.

11 Toxicological information

Low acute toxicity. Concentrated product irritates skin and eyes.

12 Ecological information

No significant environmental impact expected under proper use. Do not allow undiluted product to enter water bodies or drains. Not PBT/vPvB.

13 Disposal considerations

Product	Dispose of in accordance with local regulations; do not discharge large quantities into drains.
Packaging	Dispose of or recycle empty packaging.

14 Transport information

UN number	Not applicable
ADR / RID / IMDG / IATA	Not regulated as dangerous goods.
Special precautions	None required.

15 Regulatory information

Regulation (EC) No 1907/2006 (REACH), Regulation (EC) No 1272/2008 (CLP). Ingredient intended for use in cosmetic products in accordance with Regulation (EC) No 1223/2009 within established restrictions.

16 Other information

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Version	1.0
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Note	The information reflects current knowledge and relates only to the product specified. It does not constitute a guarantee of properties for any specific application.