SDS · SAFETY DATA SHEET (GHS / REACH)

Kandurin Gold Color Powder 100 g

Article: S40010 · **INCI:** Potassium Aluminium Silicate (E555), Titanium Dioxide (E171), Iron Oxides (E172)
Document No. SDS-27759-EN-2611 · **Revision:** 11.2026

Product page

1 Identification of the substance/mixture and of the company

Trade name	Kandurin Gold Color Powder 100 g
Article	S40010
INCI	Potassium Aluminium Silicate (E555), Titanium Dioxide (E171), Iron Oxides (E172)
Recommended use	decoration of confectionery, cakes, sweets, icings, fondant, chocolate, beverages and cocktails, color cosmetics
Uses advised against	Use of titanium dioxide (E171) in foods has been restricted in the EU since 2022; check the requirements of the target market before food use.
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)	Not classified as hazardous.
Label elements	No pictograms, signal word or H-statements required.
Other hazards	Dust may mechanically irritate eyes and respiratory tract. Not PBT/vPvB.

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, %
E555 (Potassium Aluminium Silicate)	12001-26-2	310-127-6	60–85
E171 (Titanium Dioxide)	13463-67-7	236-675-5	10–35
E172 (Iron Oxides)	1309-37-1	215-168-2	0–20

CI 77891 (Titanium Dioxide)	13463-67-7	236-675-5	50–95
CI 77491 (Iron Oxides)	1309-37-1	215-168-2	1–40
Silica	7631-86-9	231-545-4	1–40

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	Non-combustible.
Extinguishing media	Water spray, foam, dry powder, CO_2 – appropriate to surrounding fire.
Hazardous combustion products	None under normal conditions.
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 a dry place, in a tightly closed container, protected from direct sunlight, at +5...+30 °C
Incompatible materials	Strong oxidizers.

8 Exposure controls / personal protection

Occupational exposure limits	Mica (respirable): 3 mg/m³; titanium dioxide: 10 mg/m³; iron oxides: 5 mg/m³. Nuisance dust: 10 mg/m³.
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
Color	gold
Odor	odorless
Particle size	10-60 microns
pH	6–9 (10 % suspension)
Melting point	> 1000 °C (decomposition)
Density	2.8–3.2 g/cm³
Bulk density	0.2–0.4 g/cm³
Solubility	does not dissolve completely, diluted with vodka or water
Flash point	not applicable / > 100 °C
Explosive properties	none

10 Stability and reactivity

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	None known.
Hazardous decomposition	None under normal conditions.

11 Toxicological information

Acute toxicity: LD50 oral (rat) > 5000 mg/kg (mica, iron oxides, titanium dioxide). Not irritating to skin and eyes. Not a sensitizer. Titanium dioxide in powder form containing ≥ 1 % particles ≤ 10 µm is classified Carc. 2 (H351, inhalation); this product consists of mica-based platelets and does not meet the criteria for this classification. Avoid prolonged inhalation of dust.

12 Ecological information

Inorganic mineral components, insoluble in water. Do not bioaccumulate; no acute aquatic toxicity expected (EC50/LC50 > 100 mg/L). 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). Colorants contained are permitted food additives under Regulation (EC) No 1333/2008; use within established limits.

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.