



MSDS – Material Safety Data Sheet

Potassium Sulfate (SOP)

Chemical Name: Potassium Sulfate
Synonyms: Sulfate of Potash, SOP
Formula: K_2SO_4
CAS Number: 7778-80-5
HS Code: 31043000

SECTION 1: Identification

Product Name: Potassium Sulfate (SOP)
Recommended Use: Fertilizer, agricultural nutrient, industrial applications
Restrictions on Use: Not intended for human or animal consumption

Company Identification:
Basekim Kimyasal Ürünler LTD
Turan Gunes Blv. Ilkbahar Mah. Sinpas Altinoran Tower 2, Floor 1, Unit 146
Ankara, Turkey

Transportation Emergency Response:
Logistics: 88552948

Health Emergency:
Basekim Emergency Information Center (Ankara):
+90 312 514 7055 or +90 312 514 7081
International collect calls accepted

Product Information / MSDS Requests:
+90 312 514 7055 / +90 312 514 7081

SECTION 2: Hazard Identification

GHS Classification:
Not classified as hazardous according to GHS criteria.

Label Elements:
No pictogram required
No signal word required

Hazard Statements:
Not hazardous under normal handling conditions.

Precautionary Statements:
Avoid breathing dust.



Use PPE during industrial handling.
Avoid contact with eyes.

SECTION 3: Composition / Information on Ingredients

Component	CAS Number	Concentration
Potassium Sulfate	7778-80-5	≥ 99% Purity

Possible impurities: chloride, iron traces, moisture residues.

SECTION 4: First Aid Measures

Inhalation: Move to fresh air; seek medical attention if irritation persists.

Skin Contact: Wash with soap and water.

Eye Contact: Rinse eyes for at least 15 minutes; get medical help if irritation continues.

Ingestion: Rinse mouth; may cause mild discomfort.

SECTION 5: Fire Fighting Measures

Non-flammable.

Extinguishing Media: Water spray, dry chemical, CO₂, foam.

Hazardous Products: None known.

Protection: Standard firefighting gear.

SECTION 6: Accidental Release Measures

Avoid dust generation.

Sweep, collect, and store in suitable containers.

Prevent large amounts from entering waterways.

SECTION 7: Handling and Storage

Handle in well-ventilated environments.

Avoid creating dust.

Wear gloves, goggles, dust mask.

Store in cool, dry, ventilated areas.

Keep packaging sealed.

Protect from moisture.



SECTION 8: Exposure Controls / Personal Protection

No occupational exposure limits.
Use local exhaust ventilation.
PPE: goggles, dust mask, gloves, safety shoes.

SECTION 9: Physical and Chemical Properties

Property	Value
Appearance	White crystalline powder/granules
Odor	Odorless
Solubility	110 g/L (25°C)
Melting Point	> 1067°C
pH (5% sol.)	5.5–8.5
Density	2.66 g/cm ³
Bulk Density	1.0–1.2 g/cm ³
Molecular Weight	174.26 g/mol



SECTION 10: Stability and Reactivity

Stable under normal conditions.
Avoid strong acids and reducing agents.
No hazardous decomposition under normal use.

SECTION 11: Toxicological Information

Non-toxic.
Mild mechanical irritation possible.
Not carcinogenic.
Large ingestion may cause gastrointestinal discomfort.

SECTION 12: Ecological Information

Low risk to environment.
Not bioaccumulative.
High solubility; avoid excessive release to water bodies.

SECTION 13: Disposal Considerations

Dispose according to local regulations.
Avoid contamination of water sources.

SECTION 14: Transport Information

Not regulated for transport.
UN Number: None
Hazard Class: None
Proper Shipping Name: Potassium Sulfate

SECTION 15: Regulatory Information

Complies with REACH, TSCA, OSHA, GHS.
Not classified as hazardous.

SECTION 16: Other Information

Prepared according to GHS standards.
Information is accurate to the best of supplier's knowledge.