



TECHNICAL DATA SHEET

GRANULATED AMMONIUM SULPHATE

N 21 · S 24 GOST 9097-82



Granular Ammonium Sulfate

Regulatory document: GOST 9097-82 OKP 2181210400 HS 3102210000

Granular nitrogen-sulfur fertilizer. Contains nitrogen (N) and sulfur (S) in a plant-available form; sulfur enhances nitrogen uptake and protein synthesis. A physiologically acidic fertilizer for basal application and top dressing of most crops, especially on sulfur-deficient soils.

CHEMICAL PROPERTIES

Indicator	Method	Value
Mass fraction of total nitrogen (N), %, min.	GOST 30181.4	21
Mass fraction of sulfur (S), %, min.	—	24
Mass fraction of water, %, max.	drying 105 °C	0.2
Flowability, %	GOST 21560.0	100

PHYSICAL PROPERTIES

Parameter	Value
Appearance	grey-yellow granules
Fire and explosion hazard	non-combustible, non-explosive
Solubility in water (20 °C)	~ 43 %

Granulometry	Method	Value
Fraction 2–5 mm, %, min.	GOST 21560.1	95
Fraction below 1 mm, %, max.	GOST 21560.1	1
Static granule strength, kg/granule, min.	GOST 21560.2	3

APPLICATION

Parameter	Value
Application method	basal soil application; top dressing
Crops	most crops; sierozems, chestnut soils, chernozems
Application rate	according to soil agrochemical analysis
Application	broadcast spreaders or by hand (uniform granulation)

STORAGE · PACKAGING

Parameter	Value
Storage conditions	dry, enclosed, ventilated warehouse; protect from moisture and sunlight; on pallets
Guaranteed shelf life	1 year from the date of manufacture
Packaging	PP bags with PE liner (GOST 17811-78), net 50 kg ± 1 %; big bag 500–1000 kg
Transport marking	"Protect from moisture" (GOST 14192-77)

SAFETY DATA SHEET (MSDS)

Parameter	Value
Hazard class	4 — moderately hazardous (GOST 12.1.007)
Fire and explosion hazard	non-combustible, non-explosive
MAC, workplace air	10 mg/m ³
Decomposition	above 235 °C — with release of NH ₃ and SO ₃
PPE	respirator, safety goggles, gloves
Safety Data Sheet (MSDS)	full MSDS (16 sections per GOST) — as a separate document

CERTIFICATION

Regulatory document: GOST 9097-82 "Ammonium Sulfate". Quality management system: ISO 9001, ISO 14001, ISO 45001 (SHAMS ASSH LLC).



ISO 9001:2015



ISO 14001:2015



ISO 45001:2018

PRODUCT PHOTOS



ООО «SHAMS ASSH»

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Name of indicators	Specification
Mass fraction of nitrogen (on a dry basis), %, min.	21
Mass fraction of water, %, max.	0.2
Flowability, %	100

The product complies with the requirements of GOST 9097-82 and is deemed fit for use.



Authenticity check