

Sulphur Cake

High-concentration sulphur raw material for professional fertilizer manufacturing

Application focus

Raw material for organic, organo-mineral and specialty fertilizer formulations, including blends that are subsequently granulated or pelletized.

Product Overview

Sulphur Cake is a solid sulphur-containing raw material intended for industrial fertilizer use. With a specified sulphur concentration of 96% on a dry-matter basis and a dry-matter content above 70%, it can be evaluated by fertilizer manufacturers as a concentrated sulphur component within their own formulations.

The actual inclusion rate and processing conditions should be determined by the fertilizer manufacturer based on batch-specific analytical data, the complete formulation, the production process and the intended specification of the finished fertilizer.

Typical Properties

Parameter	Unit	Typical specification
Dry matter content	%	>70
Sulphur concentration	% on dry matter	96
pH value	-	>7.0 - 9.0
Conductivity	µS/cm	2,000
Density	g/cm³	1.5 - 1.6

Physical Properties

Appearance	Solid
Colour	Whitish to yellowish
Odour	Characteristic, slightly like rotten eggs
Explosive properties	No explosive properties
Oxidizing properties	No oxidizing properties
Flash point	Not applicable

Fertilizer Manufacturing Applications

Organic fertilizer formulations	Sulphur-containing fertilizer blends
Organo-mineral fertilizers	Custom nutrient formulations
Compound fertilizer formulations	Granulated or pelletized fertilizer production

Storage & Packaging

Storage conditions	Keep dry and well ventilated; protect from rain and harsh environmental conditions.
Storage temperature	5 - 35°C
Packaging material	Polypropylene
Packaging	1 m ³ big bags, approximately 1,000 kg product
HS code	25030090 - Sulphur of all kinds

Safety

H315: May cause skin irritation. Appropriate occupational hygiene, personal protection and handling procedures should be followed. Consult the applicable Safety Data Sheet before use.

Technical Note

The sulphur concentration is specified on a dry-matter basis. For formulation calculations and finished-product nutrient declarations, use the actual batch-specific dry-matter content together with the applicable analytical data. The suitability of the material for a specific mixing, granulation or pelletizing process should be validated under the manufacturer's own production conditions.

Disclaimer

This product sheet summarizes typical product characteristics for professional fertilizer manufacturing. Values may vary by batch. Final suitability, inclusion rate, processing behaviour, product classification and nutrient declaration must be determined by the fertilizer manufacturer in accordance with the complete formulation, analytical documentation and applicable legislation.