



Knowledge grows

# SULPHUR

## Feed Grade Sulphur (V16738)

### Sales specification

Product Properties	Typical Analysis
Sulphur	99.86%
Mineral residue	0.07%
Carbon	0.07%
Arsenic	0.002 %

Physical Properties	
Appearance	Yellow to dirty yellow, fine powder
Bulk Density (untamped)	0.88 kg/dm <sup>3</sup>
Chemical solubility and biological availability	High

Undesirable Elements	Act 36/1947	SULPHUR Values
Arsenic (As)	Max 10 mg/kg	Max 2 mg/kg
Lead (Pb)	Max 15 mg/kg	Max 10 mg/kg

### Identification

Chemical Substances  
Sulphur

Synonyms:  
Powder sulphur

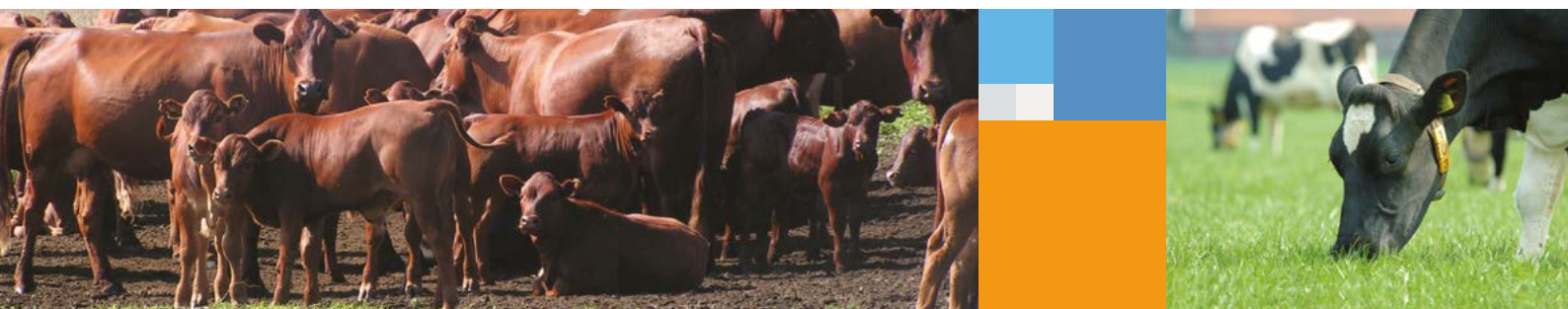
CAS No. 7704349  
EINECS No. 231-722-6

### Description

FEED GRADE SULPHUR is a yellow to dirty yellow, fine powder. It is free from visible impurities and foreign matter. FEED GRADE SULPHUR is a non-toxic material.

### Nutritive value

In ruminant diets, where non-protein nitrogen (NPN) supplies a large portion of the protein, it is necessary to supply supplementary sulphur in the diet. This will improve the conversion of NPN to microbial protein.



## Recommended use / application

FEED GRADE SULPHUR is recommended for use in feed mixes containing non-protein nitrogen (NPN). FEED GRADE SULPHUR should be added at a level determined by the urea content of the diet. This will normally vary between 0.5 to 7 kg per ton of complete feed or lick.

FEEDS GRADE SULPHUR together with FEED GRADE UREA may be added to low quality roughages at the rate of 0.75 kg SULPHUR to 1 ton roughage to supply additional sulphur, which will improve the conversion of NPN to protein. This will lead to better intake and utilization of the treated roughage.

FEED GRADE SULPHUR can be added to phosphorus licks as a preventative measure against prussic acid poisoning in wilted pastures. Five percent FEED GRADE SULPHUR is normally recommended.

## Caution

SULPHUR may burn when exposed to heat and flames, emitting highly toxic fumes of oxides and sulphur. Sulphur dust is highly dangerous as it may explode. It can also cause severe eye irritation.

## Quality check references

<b>Moisture (free moisture)</b>	(AOAC) Official Methods of Analysis, 1990, 15th Ed. 965.08 Vacuum-Desiccation Methods First Action 1965 – Final Action 1974.
<b>Undesirable elements</b>	AOAC Official Methods of Analysis, 15th Ed., Cd, 974.27, As, 957.22.

## Classification, labelling and packaging

FEED GRADE SULPHUR is packed in 25kg polyethylene bags.

## Handling and storage

FEED GRADE SULPHUR must be stored away from heat and naked flames, under cover in a cool dry place to ensure a shelf life of at least 3 years.

## Transport and transport regulations

FEED GRADE SULPHUR is a toxic material and is classified as hazardous under transport regulations. Refer to Material Safety Data Sheet for transport regulations.



Yara Animal Nutrition

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*The information above is intended to serve as guidelines and does Not constitute a guarantee. We reserve the right to make changes. Valid from: 2015-10-01. Replaces all previous data sheets. English*

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