



**PRODUCT INFO
& DATASHEET**

SICO-AMSUL CR

*Ammonium Sulphate, crystalline (caprolactam grade)
min. 21% N + min. 24% S
Made in China*

update 15/02/2022

1. PRODUCT SPECIFICATIONS (GB535-1995)

Parameter	Test Method	Standard Specifications	Test results performed by SGS
Total Nitrogen, %	AOAC 955.04(2005)	21 Min.	21.08
Sulphur, %	AOAC 980.02(2005)	24 Min.	24.40
Moisture, %	AOAC 950.01(2005)	0.5 Max.	0.19
Free acids (as H ₂ SO ₄), %	EQV ISO 2993-1974		0.023
As, mg/kg	AOAC 2006.03(2006)		<2
Cd, mg/kg	AOAC 2006.03(2006)		<2
Pb, mg/kg	AOAC 2006.03(2006)		<5
Se, mg/kg	DZ/T 0130-2006		<1
Hg, mg/kg	DZ/T 0130-2006		<0.1
0.5mm-6mm, %	TFI IV.A.(1982)		99.95

2. PROPERTIES

White or off-white crystal, easily soluble in water. Aqueous solution appears acid. Insoluble in alcohol, acetone and ammonia, Easily deliquescent in the air.

White crystal, slight odor of ammonia.

Sieve analysis : granulation 0-2 mm, min. 90%

3. USE

Used as material for producing hydrogen peroxide, ammonia alum and ammonium chloride in chemical industry; flux in jointing industries; fireproof agent in textile industry; additive of plating bath in plating industry; nitrogenous in agricultural industry. Applicable as fertiliser to common soil and crops. Food-grade products are used as dough regulators and yeast nutrition.

4. ADVANTAGES

- * Increases crop productivity.
- * Promotes the plant growth and development
- * Prepares plants to blossoming.

Ammonia nitrogen is not washed out of the soil, is absorbed by plants slowly, enhances plant rooting, supports absorption of phosphorus and limits excess absorption of potassium. An advantage of his fertiliser is the possibility of providing plants with nitrogen and sulphur in spring. The high sulphate sulphur content, perfectly soluble in water, increases the immunity of plants and provides them with sulphur early in spring growth. It is important to remember that the highest, and ever more common, deficiencies of sulphur in soil occur in early spring, after it has been washed out of the soil in winter.

5. COMPATIBILITY

The product can be mixed with highly soluble Urea Phosphate (SICO-UP 17.44.0), Potassium Nitrate (SICO POTASNIT) and Potassium Sulphate (SICO SOLUSOP). **Do not mix with alkaline reaction and Calcium based products.**

6. STORAGE

Always keep the bag closed when not in use.

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy itself of the suitability for its own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

SAP INTERNATIONAL CORPORATION by Krekelenberg 83, B-2980 Zoersel, Belgium
Tel. +32-3-309.06.51 Email : info@sico.be Website : www.sico.be



**PRODUCT INFO
& DATASHEET**

Store out of direct sunlight and damp.
Keep out of reach of children. Wash hands after use.
Separate nitrites and alkaline substances.

7. SHELF LIFE

Min. 2 years if stored dry, dark, away from direct sunlight in tightly closed bags.

8. PACKING

- in 25 or 50 kg net wpp + pe bags, about 27 MT/20 ft container (if loose bags)
- big bags



Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy itself of the suitability for its own particular purpose.
No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

SAP INTERNATIONAL CORPORATION by Krekelenberg 83, B-2980 Zoersel, Belgium
Tel. +32-3-309.06.51 Email : info@sico.be Website : www.sico.be