



**PRODUCT INFO
& DATASHEET**

SICO-P.A. 59
Phosphoric Acid 59% min. 42.7% P₂O₅ (w/w)
Liquid Fertiliser Grade (IMO 5.1 – UN 1805 – III)
Origin: EU

03/2024

Formula:	H ₃ PO ₄
CAS no.	7664-38-2
EINECS no.	231-633-2
Brand name:	SICO-P.A. 59
Chemical name:	Phosphoric Acid 59%

1/ PRODUCT DESCRIPTION

SICO P.A. 59 is a liquid fertiliser grade phosphoric acid 59% H₃PO₄ and an efficient source of phosphorus for plants, providing 427 g/kg of readily available P₂O₅.

SICO P.A. 59 is also used to adjust the pH of nutrient solutions and to remove lime sediments.

2/ PRODUCT SPECIFICATIONS

*** Chemical Composition**

Phosphorus Pentoxide (P ₂ O ₅)	> 42.7% w/w (> 83.1% w/v)
Phosphoric Acid (H ₃ PO ₄)	59% w/w

*** Physical Properties**

Appearance:	colourless liquid
Density:	1.42 +/- 0.02 kg/L
pH:	< 1
Crystallization temperature:	-20° C

3/ ADVANTAGES

- * Free of chloride, sodium and other detrimental elements for plants.
- * Free of insoluble matter.
- * Highly concentrated phosphoric fertiliser.
- * Ideal for the production of nutrient solutions.

4/ APPLICATIONS

- * Fertilization of greenhouse crops, open field crops and fruit trees.
- * Production of nutrient solutions.
- * Removal of lime sediments from irrigation laterals and drippers.

5/ PACKING

- a/ Packed in 250 kg drums x 4 = 1000 kg per pallet, 20 pallets = 20 MT/20' fcl
- b/ Packed in 25 kg cans, can put 800 kg on one pallet, 20 pallets = 16 MT/20' fcl

6/ SHELF LIFE

min. 2 years, if properly stored, dry & away from direct sunlight

¹Tolerances according to the Fertiliser Product Regulation "FPR" (EU 2019/1009).

Methods of sampling and of analysis and analysis tolerances & deviations allowed as per E.C. regulations.

https://eur-lex.europa.eu/resource.html?uri=cellar:afaa9799-bcff-486f-8c45-d51052c754bf.0004.01/DOC_84&format=PDF

The E.C. methods of sampling & analysis, allowed tolerances & regulations etc. can be found on internet

<https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32019R1009>

Also tolerances on analysis are as per regulation (EC) nr. 2003/2003 of the European Parliament and of the Council of 13 October 2003 relating to fertilisers

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