

Phosphorous acid 70%

Phosphorous acid (H₃PO₃) 70%

Phosphorous acid 70% is used to make phosphonates for water treatment and oilfield applications and stabilizers for PVC.

CAS number
10294-56-1

EINECS/ELINCS No.
237-066-7

TSCA status
listed on inventory

Specifications

Acid as lauric acid	≤ 0.4 %
Assay	70-72 %
Chloride	≤ 500
Color	5 Gardner max.

Characteristics

Appearance	Light brown liquid
Density, 20 °C	1.41 g/cm ³

Applications

Phosphorous acid 70% is used to make phosphonates for water treatment and oilfield applications and stabilizers for PVC.

Storage

Keep container tightly closed in a dry and well-ventilated place. Keep in an area equipped with acid resistant flooring. Do not store near combustible materials. Avoid conditions of extreme temperatures and direct sunlight. Avoid contact with bases and metals. Keep container tightly closed in a dry and well-ventilated place. Keep in an area equipped with acid resistant flooring. Do not store near combustible materials. Avoid conditions of extreme temperatures and direct sunlight. Avoid contact with bases and metals.

Packaging and transport

The standard packaging is a 1000 l composite Intermediate Bulk Container (IBC). Both packaging and transport meet the international regulations. For the availability of other packed quantities consult your Nouryon representative. Phosphorous Acid, 70%, is classified as Corrosive Liquid, Acidic, Inorganic, N.O.S. (Phosphorous Acid); UN 3264, Class 8, Packaging Group III.

Safety and handling

Keep container tightly closed in a dry and well-ventilated place. Keep in an area equipped with acid resistant flooring. Do not store near combustible materials. Avoid conditions of extreme temperatures and direct sunlight. Avoid contact with bases and metals. Please refer to the Safety Data Sheet (SDS) for further information on the safe storage, use and handling of Phosphorous Acid, 70%. This information should be thoroughly reviewed prior to acceptance of this product.

All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Nouryon, however, makes no warranty as to accuracy and/or sufficiency of such information and/or suggestions, as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nouryon does not accept any liability whatsoever arising out of the use of or reliance on this information, or out of the use or the performance of the product. Nothing contained herein shall be construed as granting or extending any license under any patent. Customer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes. The information contained herein supersedes all previously issued information on the subject matter covered. The customer may forward, distribute, and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use. Don't copy this document to a website.

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The logo for Nouryon, featuring a stylized blue 'N' followed by the word 'ouryon' in a blue sans-serif font.