

# TECHNICAL BULLETIN



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Date of Issue: 4/4/2016

Last revision: February 2016

File C:\Users\Conrado Concepcion\AppData\Local\Temp\WordHelper\PhosphoricAcid85.docx

## PHOSPHORIC ACID 85

### PHOSPHORIC ACID 85%

Contains 1436 g/L PHOSPHORIC ACID

#### Danger

**May be corrosive to metals.**

**Causes severe skin burns and eye damage**

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Immediately call a POISON CENTER or doctor/physician.

Spills: Clean up spills immediately. Wear protective equipment.

Cover with sand, dry lime or soda ash and place in a closed container for disposal. Flush spill area with water.

Do not get water inside containers.

Additional information is listed in the Material Safety Data Sheet

IN AN EMERGENCY DIAL 000 POLICE OR FIRE



UN 1805 PHOSPHORIC ACID  
CLASS 8 HAZ CHEM 2R PG III



CONTENTS L

BATCH NO.



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### MATERIAL & FUNCTION

**PHOSPHORIC ACID** is used in the manufacture of phosphate based fertilizers and in the chemical industry as an acid source. **PHOSPHORIC ACID** is a weak mineral acid (as opposed to sulfuric, hydrochloric and nitric acids) and is often used as a substitute for the strong mineral acids because of its ability to buffer the pH at less harmful levels. Strong **PHOSPHORIC ACID** solutions can be used to convert rust to a protective layer of iron phosphate.

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**PHOSPHORIC ACID** 85% may solidify in cool conditions (Melting Point 20-23°C) and 80% **PHOSPHORIC ACID** is often used because of its lower melting point (6-10°C).

## DIRECTIONS

**DILUTION:** **PHOSPHORIC ACID** should only be diluted by adding the acid to water. Never add water to **PHOSPHORIC ACID**.

Safety glasses, gloves and protective clothing should be worn. The water should be stirred and the **PHOSPHORIC ACID** slowly added. Rapid addition may cause rapid generation of heat and a violent eruption of hot water and acid.

## TECHNICAL DETAILS

Dangerous Goods Classification: UN 1805, Shipping Name: **PHOSPHORIC ACID**, Class 8  
Hazchem 2R, PG III.

Poison Schedule 5

Appearance: Colourless to pale yellow viscous liquid

Melting Point 20-23°C

SG 1.68

Viscosity 32 cPs

**PHOSPHORIC ACID** 85% m/m contains 1435 g of **PHOSPHORIC ACID** per litre or 454 g of phosphorous per litre.

## PACKAGING

5, 15, 200 and 1000 Litre containers.

## IMPORTANT NOTICE TO CUSTOMER

*Since the use of this product is beyond the control of either seller or manufacturer, their only obligation shall be to replace any quantity of product which is proven defective. They cannot assume any risk or liability in excess of the purchase price of the product itself, which does not include labour or any consequential damages resulting from the use of this product. Determining the suitability of this product for any intended use shall be solely the responsibility of the user. **ALWAYS TEST FIRST.***