TECHNICAL BULLETIN

19 Motivation Dve Wangara, WA, 6065 AUSTRALIA
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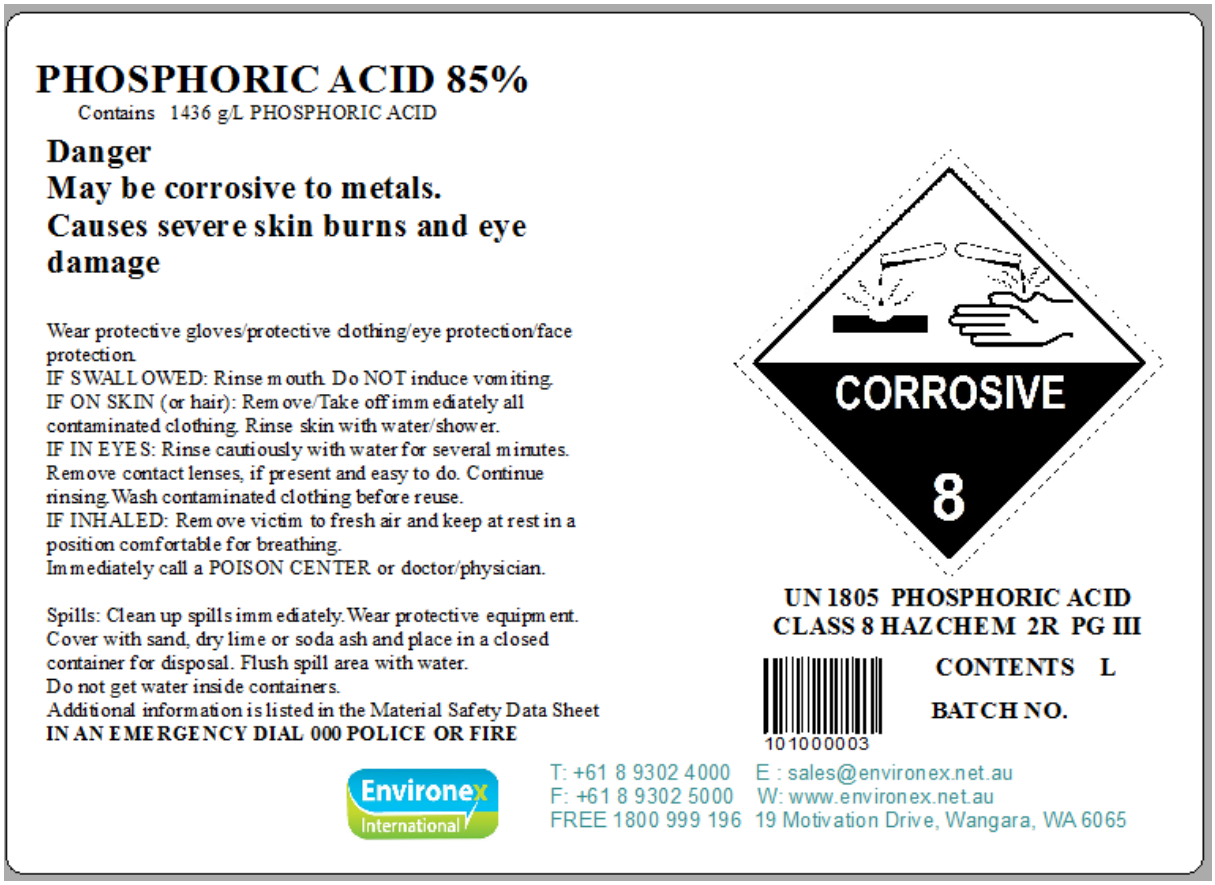
Date of Issue: 4/4/2016
Last revision: February 2016
File C:\Users\Conrado Concepcion\AppData\Local\Temp\WordHelper\PhosphoricAcid85.docx

PHOSPHORIC ACID 85



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^{o}C) and 80% **PHOSPHORIC ACID** is often used because of its lower melting point (6-10 ^{o}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^{o}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.**