

## TECHNICAL DATA SHEET OF

### PHOSPHORIC ACID 85% -FOOD GRADE

**Supplier:** Shanghai Bosman industrial Co., Ltd.

**Batch No.:** 20180310

**Manufacture date:** Mar. 10, 2018

**Expiry data:** Mar. 9, 20120

| <b>Chemistry identity</b>               |                                                                                                                                                                                                                                                                                             |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Common name                             | Phosphoric acid 85% -food grade                                                                                                                                                                                                                                                             |
| Chemical name                           | Phosphoric Acid                                                                                                                                                                                                                                                                             |
| CAS No                                  | 7664-38-2                                                                                                                                                                                                                                                                                   |
| Formula structure                       | $  \begin{array}{c}  \text{O} \\     \\  \text{HO}-\text{P}-\text{OH} \\    \\  \text{OH}  \end{array}  $                                                                                                                                                                                   |
| <b>Physical and chemical properties</b> |                                                                                                                                                                                                                                                                                             |
| Appearance                              | Colorless transparent liquid                                                                                                                                                                                                                                                                |
| Content                                 | 85% min (w/w)                                                                                                                                                                                                                                                                               |
| Water                                   | NA                                                                                                                                                                                                                                                                                          |
| pH                                      | 1-1.5 (1% solution)                                                                                                                                                                                                                                                                         |
| Density                                 | Approx. 1.68 g/ml                                                                                                                                                                                                                                                                           |
| Solubility in water                     | Miscible                                                                                                                                                                                                                                                                                    |
| <b>Mammalian toxicity</b>               |                                                                                                                                                                                                                                                                                             |
| Acute oral                              | May be harmful by ingestion. Material is destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin.                                                                                                                                                          |
| Acute dermal                            | May be harmful by skin absorption. Material is destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin.                                                                                                                                                    |
| Acute inhalation                        | Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.                         |
| <b>Environment fate</b>                 | <p><b>Persistence and degradability:</b><br/>Water soluble phosphates are translocated in the soil over a very short period of time and being immobilized.</p> <p><b>Behavior in environmental systems</b><br/>Mobility and bioaccumulation potential: Does not accumulate in organisms</p> |

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| <p><b>Handling and storage</b></p> | <p><b>Handling precaution:</b><br/>Do not get on skin or in eyes. Avoid breathing vapors and mists. Do not ingest. Handle and open container with care. Use only with adequate ventilation. Use caution when combining with water; DO NOT add water to corrosive liquid, ALWAYS add corrosive liquid to water while stirring to prevent release of heat, steam and fumes. This product reacts violently with bases liberating heat and causing spattering.</p> <p><b>Storage precaution:</b><br/>Store in a dry, well-ventilated place. Store locked up. Keep away from incompatible materials. Ventilate enclosed areas.</p> <p><b>Technical measures/ Storage information</b><br/>Keep at temperature above 210 C Provide a catch-tank &amp; an impermeable corrosion resistant floor with drainage to a neutralization tank within a bunked area.</p> <p><b>Incompatible Products</b><br/>Bases-Quicklime, Alcohols-Ketones-Amines,Water, Nitrates-Chlorates-Calcium Carbide, Metals-Finely divided metals, combustible Material</p> |
| <p><b>Package</b></p>              | <p>Packed in 330KG drums or 1700KG IBC tanks</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |