



PHOSPHORIC ACID Merchant Grade 0-52-0

GUARANTEED ANALYSIS

AVAILABLE PHOSPHATE (P ₂ O ₅).....	52.0%
Molybdenum (Mo).....	0.001%

Derived from Phosphoric Acid.



KEEP OUT OF REACH OF CHILDREN

DANGER

MAY BE CORROSIVE TO METALS. HARMFUL IF SWALLOWED. CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. FATAL IF INHALED.

PRECAUTIONARY STATEMENTS: Do not breathe fumes / gas / mist / vapors / spray. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Use only outdoors or in a well-ventilated area. Specific treatment see First Aid section of this label.

PERSONAL PROTECTIVE EQUIPMENT: Wear protective gloves / protective clothing / eye protection / face protection. [In case of inadequate ventilation] wear respiratory protection. Wash contaminated clothing before reuse.

FIRST AID: Immediately call a poison center / doctor. Specific treatment is urgent (see following). **IF SWALLOWED** Rinse mouth. Do NOT induce vomiting. Call a poison center / doctor if you feel unwell. **IF ON SKIN OR HAIR** Take off immediately all contaminated clothing. Rinse skin with water / shower. **IF INHALED** Remove person to fresh air and keep comfortable for breathing. **IF IN EYES** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

STORAGE AND DISPOSAL: **STORAGE** Keep only in original container. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in corrosive resistant container with a resistant inner liner. **DISPOSAL** Absorb spillage to prevent material damage. Dispose of contents / container in accordance with local / regional / national regulations.

of construction. Stainless steel must be at least 316L for most phosphoric acid service.

2. Pumps, piping, valves, etc. should be 316L or alloy 20 stainless steel.

COMPATIBILITY

1. Simplot Phosphoric Acid Merchant Grade 0-52-0 is compatible with most other fertilizer materials. Direct mixing with anhydrous ammonia, aqua ammonia, or other strongly basic materials should be avoided except under controlled conditions in proper vessels, containers, etc. Do not mix with materials containing nitrates, such as UAN-32.

USES

1. Simplot Phosphoric Acid Merchant Grade 0-52-0 is effective in correcting phosphate deficiencies in all crops and soils that need phosphate.
2. Simplot Phosphoric Acid Merchant Grade 0-52-0 can be used for direct application in preplant plow-down or injected into the soil or in irrigation water.
3. Simplot Phosphoric Acid Merchant Grade 0-52-0 can be used as an anti-crushing agent on soils that tend to crust and reduce seedling stands. Common application rates of 180 to 200 lbs. of Simplot Phosphoric Acid Merchant Grade 0-52-0 (13-15 gallons) is diluted with water and sprayed in a three or four inch wide band on the soil surface, directly over the seed area. In addition to serving as an anti-crusting agent, it also provides a starter fertilizer for the germinating seedlings.
4. For specific crop recommendations, see your local distributor.

ADVANTAGES

1. Water soluble Simplot Phosphoric Acid Merchant Grade 0-52-0 is 100% water soluble— highly available to plants when applied to the soil.
2. Uniform application— Simplot Phosphoric Acid Merchant Grade 0-52-0 in the liquid form, sprayed on the soil assures a more uniform application to the field.

CAUTION: Application of fertilizer materials containing Molybdenum (Mo) may result in forage crops containing levels of Molybdenum (Mo) that are toxic to ruminant animals.

Warning: This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. Proposition 65, the Safe Drinking Water and Toxic Enforcement Act of 1986, requires notification of potential exposure to substances identified by the State of California as causing cancer, birth defects or other reproductive harm.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.regulatory-info-jr.com>

DISCLAIMER OF WARRANTIES: Seller warrants that the composition of this product conforms to the description given on this label. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. Timing, rate and method of application, weather and crop conditions, mixtures not specifically recommended on this label or an accompanying written recommendation, are beyond the control of the seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. Buyer further agrees in the event of damages arising from the use of this product to accept a replacement of the product or a refund of the purchase price of the product, at buyer's option, as full discharge of seller's liability. No one is authorized to make any other warranty, guarantee or directions concerning this product, and no such warranties, guarantees or directions shall be valid or binding upon seller.

PHYSICAL CHARACTERISTICS

Phosphate (P ₂ O ₅).....	52.00%
Potash (K ₂ O).....	0.01%
Sulfate (SO ₄).....	2.70%
Calcium (CaO).....	0.07%
Aluminum (Al ₂ O ₃).....	1.20%
Iron (Fe ₂ O ₃).....	0.75%
Magnesium (MgO).....	0.75%

Specific Gravity @ 75°F.....	1.695
Weight (lbs. per gal.) @ 68°F.....	14.2
P ₂ O ₅ lbs. per gallon @ 75°F.....	7.49
Gallons per ton @ 75°F.....	142.9
P ₂ O ₅ lbs. per ton @ 75°F.....	1060.0
Viscosity @ 75°F (CPS).....	80.0
Viscosity @ 100°F (CPS).....	45.0
Viscosity @ 150°F (CPS).....	19.0
pH.....	1.0

CONSTRUCTION OF STORAGE & TRANSFER EQUIPMENT

1. Tanks and vessels must be rubber lined or constructed of stainless steel or fiberglass-reinforced polyester. Mild steels, aluminum and many non-stainless alloys are not satisfactory materials

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