

Product No.: 3140

MATERIAL SAFETY DATA SHEET

Version No.: 3.00

Alteration date: 01-31-2018

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Brite-Lite Maintenance Co. Ltd.

SECTION 1. CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Product Name: Optimum Hydroponix ® Titan

Supplier/Manufacturer Info:

Brite-Lite Maintenance Co. Ltd.

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Canada H7L 4Z8

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SECTION 2. INGREDIENTS

Ingredients : Optimum Hydroponix ® Titan is an especially formulated mixture of chemicals that are mixed in proportionsto assure excellent plant nutrition. The chemical identity of the compounds are derived from : Phosphoric Acid, Potassium Phosphate, Magnesium Phosphate, Potassium Chloride, Magnesium Sulfate, Potassium sulfate, Ammonium Sulfate, Potassium Nitrate, Magnesium Carbonate and minerals.

Exposure limits: As long as these chemicals remain in aqueous solution they do not present an inhalation hazard.

SECTION 3. PHYSICAL DATA

Physical State: All compounds in Optimum Hydroponix ® Titan are in aqueous solution.

Color: Red

Solubility: Optimum Hydroponix ® Titan is readily soluble in water

SECTION 4. FIRE AND EXPLOSION DATA

Optimum Hydroponix ® Titan is not combustible.

Extinguishing Agents: Use extinguishing agents that are suitable for the surrounding fire.

Special fire Fighting Procedures: Remove containers from the fire area, if it can be done safely. Toxic fumes/gases can be evolved in a fire situation. Fire fighters should use self-contained breathing apparatus. Wear full protective gear, and avoid skin and eye exposure. Be aware of runoff from fire control methods. Do not release to sewers or waterways.

SECTION 5: REACTIVITY DATA

Stability/Polymerization : Optimum Hydroponix ® Titan is stable at room temperature in closed containers and under normal storage and handling conditions. Hazardous polymerization does not occur in any of the components.

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Incompatibility: Violent reaction may occur when it come in contact with ethoxyethynyl alcohols.

Hazardous Decomposition Products: At high temperatures, decomposition products are formed oxides of phosphorus, magnesium oxide, potassium oxide(s), nitrogen and sulfur oxide(s).

SECTION 6: HEALTH HAZARD DATA

Carcinogenicity : None

Target Organs: Respiratory track, eyes and skin.

Summary of Risks: Ingestion of Optimum Hydroponix ® Titan may cause gastrointestinal distress with abdominal pain, nausea, vomiting, and diarrhea. As long as these chemicals remain in aqueous solution they do not present an inhalation hazard.

Eye contact: May cause eye irritation.

First Aid:

Eye contact: Flush eyes, including under the eyelids, with flooding amounts of running clean water for at least fifteen (15) minutes. Seek medical attention if irritation persists.

Skin contact: Thoroughly wash affected area with mild soap and water. Seek medical attention if irritation persists.

Inhalation: Remove victim from exposure. Restore/aid breathing as necessary. Get medical assistance.

Ingestion: Give conscious victims a large quantity of water to drink. Induce vomiting and get medical help.

Note: never give anything by mouth to an unconscious person.

SECTION 7. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill Cleanup: Prevent contact of spilled material with combustible and incompatible materials. Cleanup personnel should wear personal protective equipment as necessary to prevent skin/eyecontact and inhalation. Absorb small quantity spills on inert (non combustible) material such as dry sand or earth and place into a suitable container for reclamation or disposal. Flush larger spills with water to containment area for later disposal. Do not release into sewers of water ways. Damp mop any residue.

Disposal: Dispose of Optimum Hydroponix ® Titan as an industrial fertilizer. Reclaim material when possible. Follow all applicable state, regional and local regulations.

SECTION 8. SPÉCIAL PROTECTION DATA

Ventilation: Use local exhaust ventilation to control airborne levels where dusts are generated.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this product, especially before eating drinking, smoking, using the toilet, or applying cosmetics.

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SECTION 9. SPECIAL PRECAUTIONS AND COMMENTS

Storage: Optimum Hydroponix ® Titan should be stored in its original containers in a cool, dry, well-ventilated area on a non-combustible surface. Min. storage temp. 5 °C.