



**MATERIAL SAFETY DATA SHEET
BIOFOS®**

2345 WAUKEGAN ROAD, SUITE E-200
BANNOCKBURN, ILLINOIS 60015-5516
847-607-3290

SECTION I. PRODUCT INFORMATION

PRODUCT NAME:	BIOFOS®	CAS NO.:	Not Applicable
CHEMICAL FAMILY:	Inorganic Salt	MOLECULAR WEIGHT:	Not Applicable
CHEMICAL NAME:	Not Applicable	FORMULA:	Ca(H ₂ PO ₄) ₂ •H ₂ O+CaHPO ₄ •2H ₂ O
DOT CLASS:	Not regulated by DOT		

SECTION II. COMPOSITION

	%	CAS NO.
--	---	---------

Monocalcium Phosphate	Ca(H ₂ PO ₄) ₂ •H ₂ O	56-60	7758-23-8
Dicalcium Phosphate	CaHPO ₄ •2H ₂ O	28-29	7757-93-9
Iron, aluminum, magnesium phosphates		8-11	
Sulfates		3-5	

Biofos® is not classified as a hazardous material by the criteria of the OSHA Hazard Communication Standard, 29 CFR Part 1910, .1910.1200, "Hazard Communication."

SECTION III PHYSICAL DATA

MELTING POINT:	Not Applicable	SPECIFIC GRAVITY:	(H ₂ O = 1) 2.2
VAPOR PRESSURE (mm Hg):	Not Applicable	BULK DENSITY:	59 lbs/ft ³
SOLUBILITY IN WATER:	Moderate	PERCENT VOLATILE:	Not Applicable
APPEARANCE AND ODOR:	Gray odorless granules	pH:	3.6

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	Not Applicable	FLAMMABLE LIMITS:	Not Applicable
EXTINGUISHING MEDIA:	Not Applicable		

BIOFOS® is a non-flammable inorganic salt. Use extinguishing media appropriate for surrounding fire.

SECTION V. REACTIVITY DATA

STABILITY:	Biofos® is stable under all normal conditions.
INCOMPATIBILITY (materials to avoid):	None
HAZARDOUS POLYMERIZATION:	Will not occur

SECTION VI. HEALTH HAZARD DATA

Permissible Exposure Limit - None established. We suggest the OSHA nuisance dust limit of 15 milligrams per cubic meter as total dust.

ACGIH TLV: None Listed
ROUTES OF ENTRY: Lungs (breathing), ingestion (swallowing)
TOXICITY DATA: . . None found

EFFECTS OF OVEREXPOSURE:

SHORT TERM: May cause slight irritation of the skin, eyes, nose or throat.
LONG TERM: As with any inorganic dust, long-term inhalation of dust concentrations higher than recommended Permissible Exposure Limits may cause delayed lung injury. However, Biofos ® is water soluble, and is not likely to accumulate in the lungs.
FIRST AID: **EYES** - Flush thoroughly with water. See a physician if irritation persists.
SKIN - Wash with water.

SECTION VII. SPILL, LEAK AND DISPOSAL INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

If uncontaminated, sweep up or collect, and reuse as product. If contaminated with other materials, collect in suitable containers.

WASTE DISPOSAL METHOD: Uncontaminated material can generally be disposed of in an approved land disposal facility, in accordance with applicable federal, state, and local regulations. Depending upon type and extent of contamination, if any, other disposal methods may be required by environmental regulatory agencies.

SECTION VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: If dust concentrations exceed recommended Permissible Exposure Limits, use NIOSH-approved dust respirators, with approval TC-21C-xxx, until feasible engineering controls are completed.

VENTILATION: Local exhaust or other ventilation that will reduce dust concentrations to less than Permissible Exposure Limits is recommended.

EYE PROTECTION: Safety glasses with side shields are recommended if flying particles may be encountered.

OTHER PROTECTIVE EQUIPMENT: Optional

SECTION IX. SPECIAL PRECAUTIONS

None.