



**MATERIAL SAFETY DATA SHEET  
DYNAFOS®**

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

**SECTION I. PRODUCT INFORMATION**

PRODUCT NAME:	DYNAFOS®	CAS NO.:	Not Applicable
CHEMICAL FAMILY:	Inorganic Salt Mixture	MOLECULAR WEIGHT:	Not Applicable
CHEMICAL NAME:	Not Applicable	FORMULA:	CaHPO <sub>4</sub> ·2H <sub>2</sub> O+Ca(H <sub>2</sub> PO <sub>4</sub> ) <sub>2</sub> ·H <sub>2</sub> O
DOT CLASS:	Not Regulated by DOT		

**SECTION II. COMPOSITION**

		%	CAS NO.
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Dicalcium Phosphate	CaHPO <sub>4</sub> ·2H <sub>2</sub> O	55 - 59	7757-93-9
Monocalcium Phosphate	Ca(H <sub>2</sub> PO <sub>4</sub> ) <sub>2</sub> ·H <sub>2</sub> O	28 - 30	7758-23-8
Iron, aluminum, magnesium phosphates		9 - 12	
Sulfates		2 - 5	

*Dynafos® 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 <sub>2</sub> O=1) 2.3
VAPOR PRESSURE (mm Hg):	Not Applicable	BULK DENSITY:	54 lbs/ft <sup>3</sup>
SOLUBILITY IN WATER:	Slight	PERCENT VOLATILE:	Not Applicable
APPEARANCE AND ODOR:	Light gray granules	pH:	4.2

**SECTION IV. FIRE AND EXPLOSION HAZARD DATA**

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

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

**SECTION V. REACTIVITY DATA**

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

The information, data and recommendations contained herein are believed to be accurate. FEED INGREDIENT OF IMC-AGRICO COMPANY makes no warranty of any kind whatever with respect thereto and disclaims all liability from reliance thereon. (Continued on reverse side)

**SECTION VI. HEALTH HAZARD DATA**

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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, Dynafos® is slowly 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**

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**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**

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**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**

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None