



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

MATERIAL SAFETY DATA SHEET
MULTIFOS®

SECTION I. PRODUCT INFORMATION

PRODUCT NAME:	MULTIFOS®	CAS NO.:	7758-87-4
CHEMICAL FAMILY:	Inorganic Salt Mixture	MOLECULAR WEIGHT:	Not Applicable
CHEMICAL NAME:	Not Applicable	FORMULA:	Ca ₃ (PO ₄) ₂
DOT CLASS:	Not Regulated by DOT		

SECTION II. COMPOSITION

	%	CAS NO.
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Tricalcium Phosphate	Ca ₃ (PO ₄) ₂	92 - 93	7758-87-4
Iron, aluminum, magnesium phosphates		7 - 8	

Multifos® 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) 2.6
VAPOR PRESSURE (mm Hg):	Not Applicable	BULK DENSITY:	85-88 lbs/ft ³
SOLUBILITY IN WATER:	Negligible	PERCENT VOLATILE:	Not Applicable
APPEARANCE AND ODOR:	Brownish gray odorless granules		

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

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

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

SECTION V. REACTIVITY DATA

STABILITY:	MULTIFOS® 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 mechanical abrasion if deposited in the eyes. Inhalation of dust may cause discomfort, coughing, shortness of breath.
LONG TERM: As with any inorganic dust, long-term inhalation of dust concentrations higher than recommended Permissible Exposure Limits may cause delayed lung injury.
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

Revised September 1, 1996