



MATERIAL SAFETY DATA SHEET

REVISION DATE: 10/28/2008
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REVISION NUMBER: 2
PREPARED BY: EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **PHOS-TEC 617A, Titanium Activator**
PRODUCT CODE: 515995

NFPA/HMIS HAZARD CODES(minimal=0; slight=1; moderate=2; serious=3; severe=4)

Health: 3/3 Fire: 0/0
Reactivity: 0/0 Special/Protective Equipment: None/B

NAME OF THE MANUFACTURER: Rochester Midland Corporation
333 Hollenbeck Street
Rochester, New York 14621
Information: 585-336-2200
Emergency Phone:
INFOTRAC: 1-800-535-5053
OUTSIDE US: 1-352-323-3500

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: May cause irritation.
SKIN CONTACT: May cause mild skin irritation.
INHALATION: None in normal use.
EYE CONTACT: May cause mild eye irritation.
CHRONIC EFFECTS: Repeated or long-term exposure to titanium dioxide dust may result in mild fibrosis (scarring of the lungs).
EFFECTS/CARCINOGENICITY: None listed under OSHA, IARC, or NTP.
ROUTES OF ENTRY: Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS#	%	ACGIH TLV	OSHA PELs
Titanium dioxide 13463-67-7	99	10 mg/m ³	15 mg/m ³

4. FIRST AID MEASURES

INGESTION: DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Drink several glasses of water or milk.
SKIN: In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and discard.
INHALATION: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Aid in breathing, if necessary, and get immediate medical attention.
EYES: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.
NOTES TO PHYSICIAN: No specific antidote. Therapy is directed at preventing absorption, administering to the symptoms as they occur and providing supportive therapy.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F): 200° F (ASTM D93) (C): NA
METHOD: TCC

PHOS-TEC 617A, Titanium Activator

FLAMMABLE LIMITS IN AIR

- LOWER (%): ND
- UPPER (%): ND

SENSITIVITY TO MECHANICAL IMPACT(Y/N):

NO

SENSITIVITY TO STATIC DISCHARGE:

Sensitivity to static discharge is not expected.

SUITABLE EXTINGUISHING MEDIA:

Water fog, carbon dioxide, foam, dry chemical.

FIRE FIGHTING PROCEDURES:

Wear self-contained breathing equipment and rubber protective clothing.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS:

Reclaim as much as possible. Pick up with absorbant material.

LARGE SPILLS:

Reclaim as much as possible. Shovel or sweep up residue and place in suitable containers.

PERSONAL PRECAUTIONS:

NA

ENVIRONMENTAL PRECAUTIONS:

NA

METHODS FOR CLEANING UP:

NA

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN
IN HANDLING AND STORAGE:

Avoid contact with skin and eyes. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Wash thoroughly after handling. Store in a cool, dry area. Keep container closed when not in use.

OTHER PRECAUTIONS:

Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied.

SPECIFIC USE(S):

NA

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:

None known.

RESPIRATORY PROTECTION:

Use NIOSH approved organic vapor respirator as needed if spray mist or vapors exceed PEL or TLV.

PROTECTIVE GLOVES:

Chemical resistant gloves. Nitrile (NBR). Neoprene. Rubber gloves.

EYE PROTECTION:

Goggles.

OTHER PERSONAL PROTECTION
EQUIPMENT:

Appropriate protective clothing as needed to prevent skin contact.

VENTILATION:

General mechanical or local exhaust as needed to maintain exposure below TLV or PEL.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:

White. Powder. Odorless.

BOILING POINT (F):

>212° F

(C) NA

VAPOR PRESSURE:

< 1 @ 20° C (63° F)

VAPOR DENSITY (AIR=1):

> 1.00

SOLUBILITY IN WATER:

Complete

SPECIFIC GRAVITY:

4.255 - 4.265 (4.260 Nominal)

VOC Content (%):

0

VOV Content (%):

NE

EVAPORATION RATE:

< 1

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9. PHYSICAL AND CHEMICAL PROPERTIES

PH: ND

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: If evaporated to dryness, as in a fire, material may burn, releasing: Oxides of Carbon. Oxides of Silicon. Oxides of Nitrogen.
INCOMPATIBILITY (MATERIALS TO AVOID): Acids. Mildly corrosive to iron, steel, and aluminum on prolonged contact.
CONDITIONS/HAZARDS TO AVOID: Extreme heat, direct sunlight. Strong oxidizers. Alkalines

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: NE
EFFECTS OF CHRONIC EXPOSURE: NE
OTHER TOXIC EFFECTS: NE

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time
CHEMICAL FATE INFORMATION: No data at this time.
MOBILITY: NA
PERSISTENCE/DEGRADABILITY: NA
BIOACCUMULATIVE POTENTIAL: NA
OTHER ADVERSE EFFECTS: NA

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Dispose in accordance with Federal, State and Local regulations.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

15. REGULATORY INFORMATION

PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
Titanium dioxide 13463-67-7	99	Listed	Listed Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Titanium dioxide 13463-67-7	99	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Titanium dioxide 13463-67-7	99	Listed

The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels.

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PRODUCT COMPOSITION CAS#	%	MARTK:
Titanium dioxide 13463-67-7	99	Listed

The following components of this material are included in the New Jersey Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	NJRTK:
Titanium dioxide 13463-67-7	99	Listed

The following components of this material are included in the Pennsylvania Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	PARTK:
Titanium dioxide 13463-67-7	99	Listed

16. OTHER INFORMATION

This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

*** END OF MSDS ***