

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-135/13530-50-2.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
13530-50-2  
**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
TRIALUMINUM PHOSPHATE

**Other REC Limits:**  
N/K 4

**OSHA PEL:**  
N/K (FP N)  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
N/K (FP N)  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
NONE SHOULD BE NEEDED. NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

**Ventilation:**  
MECHANICAL (GENERAL):RECOMMENDED.

**Protective Gloves:**  
IMPERVIOUS GLOVES (FP N).

**Eye Protection:**  
ANSI APPRVD CHEM WORKERS GOGG (FP N).

**Other Protective Equipment:**  
Equipment NONE SPECIFIED BY MANUFACTURER.

**Work Hygienic Practices:**  
WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE.

**Supplemental Safety and Health:**  
NONE SPECIFIED BY MANUFACTURER. 7

## Health Hazards Data

**LD50LC50Mixture:**  
NONE SPECIFIED BY MANUFACTURER.

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
ACUTE:EYE:DIRECT CONTACT IRRITATES SLIGHTLY WITH REDNESS AND SWELLING. SKIN:SEVERAL REPEATED PROLONGED EXPOSURES (24-48 HRS) MAY IRRITATE. INHALATION:IRRITATES RESPIRATORY PASSAGES AND EYES VERY SLIGH TLY. INGESTION:SWALLOWING LARGE AMOUNTSMAY CAUSE DIGESTIVE DISCOMFORT. THIS PRODUCT, AS WITH ANY (EFTS OF OVEREXP)

**Explanation Of Carcinogenicity:**  
5 NOT RELEVANT.

**Signs And Symptions Of Overexposure:**  
HLTH HAZ:CHEMICAL, MAY ENHANCE ALLERGIC CONDITION ON CERTAIN PEOPLE. NO INJURY FROM DUSTS SHOULD OCCUR DURING REASONABLE USE. IF USE CREATES RESPIRABLE PARTICLES, SOME RESPIRATORY SYSTEM INJURY MAY OC CUR.

**Medical Cond Aggravated By Exposure:**  
NONE KNOWN.

**First Aid:**  
INGEST:CALL MD IMMEDIATELY (FP N). INHAL:REMOVE TO FRESH AIR. SUPPORT BREATHING (GIVE O\*2/ARTF RESP) (FP N). EYES:FLUSH WITH WATER FOR @ LEAST 15 MINUTES. SKIN:WIPE OFF AND FLUSH WITH WATER. WASH WITH MILD SOAP SOLUTION OR WATERLESS SKIN CLEANER.

**Spill Release Procedures:**  
REMOVE PRODUCT AND USE ABSORBENT MATERIAL TO TAKE CARE OF ANY OIL-LIKE RESIDUES.

**Neutralizing Agent:**  
NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**  
MFR SUGGESTS THAT ALL LOCAL, STATE AND FEDERAL REGULATIONS CONCERNING HEALTH & POLLUTION BE REVIEWED TO DETERM APPRVD DISP PROCEDURES.

**Handling And Storage Precautions:**  
USE REASONABLE CARE & CAUTION. THESE PRECAUT ARE FOR ROOM TEMP HNDLG; USE @ ELEVATED TEMP, OR AEROSOL/SPRAY APPLIC, MAY REQ ADDED PRECAUTIONS.

**Other Precautions:**  
GOOD PRACTICE REQ THAT GROSS AMT OF ANY CHEM BE REMOVED FROM SKIN AS SOON AS PRACTICAL, ESPECIALLY BEFORE EATING/SMOKING. AVOID EYE AND SKIN CONTACT.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
OC

**Flash Point:**

**Flash Point Text:**  
>250F,>121C 6

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/K

**Upper Limits:**  
N/K

**Extinguishing Media:**  
WATER FOG, CO\*2, DRY CHEMICAL, FOAM.

**Fire Fighting Procedures:**  
USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N).

**Unusual Fire/Explosion Hazard:**  
HAZARDOUS SULFUR OXIDES FORM.

## Physical/Chemical Properties

**HCC:**  
V7

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
N/A

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
N/A

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
<5 @ 77F

**Vapor Density:**  
N/A

**Volatile Org Content %:**

**Spec Gravity:**  
1.38 @ 77F

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
NOT APPLICABLE

**Solubility in Water:**

**Appearance and Odor:**  
VERY LITTLE ODOR, PASTE-LIKE, BLACK

**Percent Volatiles by Volume:**  
<5(WT)

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
NOT APPLICABLE

**Materials To Avoid:**  
OXIDIZING MATERIAL CAN CAUSE A REACTION.

**Hazardous Decomposition Products:**  
METAL OXIDES, SULFUR OXIDES, SILICON DIOXIDE, CARBON DIOXIDE TRACES OF INCOMPLETELY BURNED CARBON PRODUCTS.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
NOT RELEVANT. 8

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P

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WARRANTY  
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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