

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-520/52019-36-0.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
52019-36-0  
**Code:**  
M  
**RTECS:**  
**Code:**  
X  
**Name:**  
ORGANIC PHOSPHATE ESTER  
**Other REC Limits:**  
NONE RECOMMENDED  
**OSHA PEL:**  
NOT ESTABLISHED  
**Code:**  
M  
**OSHA STEL:**  
**Code:**  
**ACGIH TLV:**  
NOT ESTABLISHED  
**Code:**  
M  
**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
N/P  
**Ventilation:**  
N/P  
**Protective Gloves:**  
N/P  
**Eye Protection:**  
N/P  
**Other Protective Equipment:**  
Equipment N/P  
**Work Hygienic Practices:**  
N/P  
**Supplemental Safety and Health:**  
N/P

## Health Hazards Data

**LD50LC50Mixture:**  
N/P  
**Route Of Entry Inds - Inhalation:**  
N/P  
**Skin:**  
N/P  
**Ingestion:**  
N/P  
**Carcinogenicity Inds - NTP:**  
N/P  
**IARC:**  
N/P  
**OSHA:**  
N/P  
**Health Hazards Acute And Chronic:**  
N/P  
**Explanation Of Carcinogenicity:**  
N/P  
**Signs And Symptions Of Overexposure:**  
N/P  
**Medical Cond Aggravated By Exposure:**  
N/P  
**First Aid:**  
N/P  
**Spill Release Procedures:**  
N/P  
**Neutralizing Agent:**  
N/P  
**Waste Disposal Methods:**  
N/P  
**Handling And Storage Precautions:**  
N/P  
**Other Precautions:**  
N/P

## Fire and Explosion Hazard Information

**Flash Point Method:**  
TCC  
**Flash Point:**  
**Flash Point Text:**  
NONE  
**Autoignition Temp:**  
**Autoignition Temp Text:**  
N/K  
**Lower Limits:**  
NOT GIVEN  
**Upper Limits:**  
NOT GIVEN  
**Extinguishing Media:**  
WATER FOG, ALCOHOL FOAM, DRY CHEMICAL, CARBON DIOXIDE. 3  
**Fire Fighting Procedures:**  
USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.  
**Unusual Fire/Explosion Hazard:**  
FIRE CONDITIONS MAY EVOLVE TOXIC FUMES.

## Physical/Chemical Properties

**HCC:**  
B3  
**NRC/State LIC No:**  
**Net Prop WT For Ammo:**  
**Boiling Point:**  
**B.P. Text:**  
210F,99C  
**Melt/Freeze Pt:**  
**M.P/F.P Text:**  
NOT GIVEN  
**Decomp Temp:**  
**Decomp Text:**  
UNKNOWN  
**Vapor Pres:**  
NOT GIVEN  
**Vapor Density:**  
>1  
**Volatile Org Content %:**  
**Spec Gravity:**  
1.098  
**VOC Pounds/Gallon:**  
**PH:** N/K  
**VOC Grams/Liter:**  
**Viscosity:**  
N/K  
**Evaporation Rate & Reference:**  
>1 (N-BUTYL ACETATE=1)  
**Solubility in Water:**  
COMPLETE  
**Appearance and Odor:**  
CLEAR, GREEN LIQUID, MILD ODOR  
**Percent Volatiles by Volume:**  
N/K  
**Korrosion Rate:**  
UNKNOWN 4

## Reactivity Data

**Stability Indicator:**  
YES  
**Stability Condition To Avoid:**  
DO NOT MIX WITH OTHER CHEMICALS.  
**Materials To Avoid:**  
STRONG ACIDS.  
**Hazardous Decomposition Products:**  
N/P  
**Hazardous Polymerization Indicator:**  
N/P  
**Conditions To Avoid Polymerization:**  
N/P

## 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