

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-120/12045-78-2.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
12045-78-2  
**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
POTASSIUM TETRABORATE

**Other REC Limits:**  
NONE ESTABLISHED

**OSHA PEL:**  
NONE ESTABLISHED  
**Code:**  
M

**OSHA STEL:**  
ACGIH TLV: NONE ESTABLISHED  
**Code:**  
2 OSHA STEL:

**ACGIH TLV:**  
NONE ESTABLISHED  
**Code:**  
M

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

## Control Measures

**Respiratory Protection:**  
USE GOOD DUST RESPIRATOR MASK.

**Ventilation:**  
USE GOOD EXHAUST FAN. 4

**Protective Gloves:**  
RUBBER

**Eye Protection:**  
SAFETY GLASSES W/SIDE SHIELDS.

**Other Protective Equipment:**  
Equipment RUBBER APRON AND BOOTS.

**Work Hygienic Practices:**  
N/P

**Supplemental Safety and Health:**  
N/P

## Health Hazards Data

**LD50LC50Mixture:**  
N/K

**Route Of Entry Inds - Inhalation:**  
NO

**Skin:**  
NO

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
EVOLVES FLOURIDE WHIN HEATED,MAY CAUSE BURNING OF EYES OR THROAT.

**Explanation Of Carcinogenicity:**  
N/R

**Signs And Symptions Of Overexposure:**  
SEE "HEALTH HAZARD"

**Medical Cond Aggravated By Exposure:**  
N/P

**First Aid:**  
REMOVE TO ADEQUATE VENTILATION,FLUSH SKIN OR EYES AND THROAT WITH ADEQUATE VOLUMES OR WATER. IF INGESTED, INDUCE VOMITING AND CALL A PHYSICIAN.

**Spill Release Procedures:**  
ONLY FLUSH MINIMAL RESIDUE WITH ADEQUATE QUANTITIES OF WATER TO DRAIN.

**Neutralizing Agent:**  
N/P 3

**Waste Disposal Methods:**  
RECYCLE PRODUCT OR DISPOSE OF LARGE QUANTITIES IN HAZARDOUS WASTE AREA.

**Handling And Storage Precautions:**  
KEEP DRY IN STORAGE,USE WITH ADEQUATE VENTILATION AND PROTECTIVE EQUIPMENT.

**Other Precautions:**  
KEEP OFF SKIN AND CLOTHING.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
NONE

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/R

**Upper Limits:**  
N/R

**Extinguishing Media:**  
USE MEDIA FOR SURROUNDING FIRE.

**Fire Fighting Procedures:**  
NONE STATED.

**Unusual Fire/Explosion Hazard:**  
AVOID OVERHEATING AS PRODUCT EVOLVES TOXIC FUMES.

## Physical/Chemical Properties

**HCC:**  
N1

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
1652F/900C

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
N/R

**Vapor Pres:**  
N/R

**Vapor Density:**  
N/R

**Volatile Org Content %:**

**Spec Gravity:**  
2.03

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/K

**Solubility in Water:**  
SOLUBLE 5

**Appearance and Odor:**  
WHITE CREAM

**Percent Volatiles by Volume:**  
0

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
OVERHEATING BEYOND BRAZING TEMPERATURE.

**Materials To Avoid:**  
NONE STATED.

**Hazardous Decomposition Products:**  
HYDROGEN FLOURIDE, FLUOBORATE.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/R

## 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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