

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

ACGIH STEL:

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

LD50/LC50 Mixture:

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 FLUORIDE WHEN HEATED, MAY CAUSE BURNING OF EYES OR THROAT.

Explanation Of Carcinogenicity:

N/R

Signs And Symptoms 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 OF 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:

N/A

Flash Point Text:

NONE

Autoignition Temp:

N/A

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:

N/P

Boiling Point:

N/A

B.P. Text:

1652F/900C

Melt/Freeze Pt:

N/A

Decomp Temp:

N/A

Decomp Text:

N/R

Vapor Pres:

N/R

Vapor Density:

N/R

Volatile Org Content %:

N/A

Spec Gravity:

2.03

VOC Pounds/Gallon:

N/A

PH:

N/K

VOC Grams/Liter:

N/A

Viscosity:

N/P

Evaporation Rate & Reference:

N/K

Solubility in Water:

SOLUBLE

Appearance and Odor:

WHITE CREAM

Percent Volatiles by Volume:

0

Corrosion Rate:

N/K

Conditions To Avoid Polymerization:

N/R

Decomp Temp:

N/A

Decomp Text:

N/R

Vapor Pres:

N/R

Vapor Density:

N/R

Volatile Org Content %:

N/A

Spec Gravity:

2.03

VOC Pounds/Gallon:

N/A

PH:

N/K

VOC Grams/Liter:

N/A

Viscosity:

N/P

Evaporation Rate & Reference:

N/K

Solubility in Water:

SOLUBLE

Appearance and Odor:

WHITE CREAM

Percent Volatiles by Volume:

0

Corrosion Rate:

N/K

Conditions To Avoid Polymerization:

N/R

Decomp Temp:

N/A

Decomp Text:

N/R

Vapor Pres:

N/R

Vapor Density:

N/R

Volatile Org Content %:

N/A

Spec Gravity:

2.03

VOC Pounds/Gallon:

N/A

PH:

N/K

VOC Grams/Liter:

N/A

Viscosity:

N/P

Evaporation Rate & Reference:

N/K

Solubility in Water:

SOLUBLE

Appearance and Odor:

WHITE CREAM