

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-775/7757-79-1.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
7757-79-1

**Code:**  
M

**RTECS:**  
TT3700000

**Code:**  
M

**Name:**  
POTASSIUM NITRATE CAS#7757-79-1

**Other REC Limits:**  
N/P

**OSHA PEL:**  
N/P

**Code:**

**OSHA STEL:**  
N/P

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED

**Code:**  
M

**ACGIH STEL:**  
N/P

**Code:**

## Control Measures

**Respiratory Protection:**  
NO SPECIAL REQMNTS UNDER ORDINARY CONDITIONS/ADEQUATE VENT.

**Ventilation:**  
MECH(GEN)OR LOCAL EXHAUST THAT PROVIDES ADEQUATE VENTILATION

**Protective Gloves:**  
AS REQUIRED

**Eye Protection:**  
SAFETY/CHEM GOGGLES

**Other Protective Equipment:**  
Equipment SAFETY SHOWER EYE BATH

**Work Hygienic Practices:**  
N/P

**Supplemental Safety and Health:**  
MSDS IS UNDATED

## Health Hazards Data

**LD50/LC50 Mixture:**  
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 2

**Signs And Symptoms Of Overexposure:**  
INHALATION:COUGHING,SHORTNESS OF BREATH. SKIN:-REDNESS EYES:-REDNESS,PAIN.INGESTION:ABDOMINAL SPASM

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

**First Aid:**  
INHALATION:KEEP PATIENT IN FRESH AIR.CALL A DOCTOR.SKIN:WASH WITH PLENTY OF WATER EYES:WASH WITH PLENTY OF WATER.CALL A DOCTOR. INGESTION:RINSE MOUTH,GIVE PLENTY OF WATER TO DRINK,INDUCE VOMITING,AND CALL A DOCTOR.

**Spill Release Procedures:**  
SWEEP UP SPILLED SUBSTANCE AND REMOVE TO SAFE PLACE,WASH AWAY REMAINDER WITH LARGE AMOUNT OF WATER.

**Neutralizing Agent:**  
N/P

**Waste Disposal Methods:**  
DISPOSE OF IN ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS.

**Handling And Storage Precautions:**  
SEPARATE FROM COMBUSTIBLE, ORGANIC OR OTHER READILY OXIDIZABLE MATERIAL.

**Other Precautions:**  
AVOID SKIN AND EYE EXPOSURE.

## 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:**  
NONE

**Upper Limits:**  
NONE 3

**Extinguishing Media:**  
NOT APPLICABLE

**Fire Fighting Procedures:**  
AN APPROVED SCBA SHOULD BE WORN

**Unusual Fire/Explosion Hazard:**  
FIRE AND EXPLOSION HAZARD WHEN SHOCKED OR HEATED IN CONTACT WITH ORGANIC MATERIALS OR REDUCERS

## Physical/Chemical Properties

**HCC:**

D1

**NRC/State LIC No:**

NOT RELEVANT

**Net Prop WT For Ammo:**

**Boiling Point:**  
=333.9C, 633.7

**B.P. Text:**

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
N/A

**Vapor Pres:**  
NEG

**Vapor Density:**  
3.5

**Volatile Org Content %:**

**Spec Gravity:**  
2.11

**VOC Pounds/Gallon:**

**PH:** N/P

**VOC Grams/Liter:**

**Viscosity:**

N/P

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

**Solubility in Water:**

APPRECIABLE

**Appearance and Odor:**

TRANSPARENT WHITE CRYSTALS-ODORLESS

**Percent Volatiles by Volume:**

NEGL

**Corrosion Rate:**

N/P

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

NONE SPECIFIED BY THE MFR.

**Fire Fighting Procedures:**

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## Reactivity Data

**Stability Indicator:**

YES

**None Specified To Mfr:**

NONE SPECIFIED BY THE MFR.

**Materials To Avoid:**

STRONG REDUCERS,ORGANIC MATERIALS.

**Hazardous Decomposition Products:**

THERMAL DECOMPOSITION OR BURNING MAY PRODUCE NO<sub>x</sub>

**Conditions To Avoid:**

NO SPECIFIED BY THE MFR.

**Decomposition Products:**

NONE SPECIFIED BY THE MFR.

**Decomposition Temp:**

NONE SPECIFIED BY THE MFR.

**Decomposition Text:**

NONE SPECIFIED BY THE MFR.

**Decomposition Time:**

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**Decomposition Rate:**

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