

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-111/11120-25-5.htm> for suppliers of this product.

## Composition/Information on Ingredient

### Cas:

11120-25-5

### Code:

M

### RTECS:

### Code:

X 1

### Name:

AMMONIUM TUNGSTATE \*92-2\*

### Other REC Limits:

N/K

### OSHA PEL:

N/K

### Code:

M

### OSHA STEL:

### Code:

### ACGIH TLV:

N/K

### Code:

M

### ACGIH STEL:

N/P

### Code:

## Control Measures

### Respiratory Protection:

USE A NIOSH/MSHA-APPROVED RESPIRATOR

### Ventilation:

LOCAL EXHAUST

### Protective Gloves:

NEOPRENE, VINYL

### Eye Protection:

FACE SHIELD, CHEMICAL GOGGLES

### Other Protective Equipment:

Equipment IMPERVIOUS BOOTS, APRON, PROTECTIVE CLOTHING EYE FOUNTAIN, SAFETY SHOWER, WASHING FACILITIES NEAR WORK AREA.

### Work Hygienic Practices:

REMOVING/LAUNDER CONTAMINATED CLOTHING &SHOES. BEFORE REUSE.

### Supplemental Safety and Health:

N/K

## Health Hazards Data

### LD50LC50Mixture:

N/K 2

### Route Of Entry Inds - Inhalation:

YES

### Skin:

YES

### Ingestion:

YES

### Carcinogenicity Inds - NTP:

NO

### IARC:

NO

### OSHA:

NO

### Health Hazards Acute And Chronic:

INGESTION: PAIN IN MOUTH/PHARYNX/ABDOMEN/VOMITING/DIARRHEA/TENSUS/RETCHING/ATAXIA/ANOREXIA/HEMOLYSIS/HEMATURIA/ANURIA/HYPOTENSION/COLLAPSE/LIVER DAMAGE W/JUNDICE. EYES: PAIN/TEARING/PHOBIA. SKIN: PAIN/BURNS/SENSITIZATION/DERMATITIS. INHALATION: RESPIRATORY TRACT/LUNGS IRRITATION/COUGHING/CHOKING/HEADACHE/DIZZINESS

### Explanation Of Carcinogenicity:

NONE

### Signs And Symptoms Of Overexposure:

INGESTION: ASPHYXIA/DELAYED ESOPHAGEAL/GASTRIC PERFORATION. EYES: CONJUNCTIVAL EDEMA/CORNEAL DAMAGE. SKIN: ALLERGIC REACTION. INHALATION: WEAKNESS/CHEST TIGHTNESS/AIR HUNGER/FROTHY SPUTUM/CYANOSIS/HEM OPTYSIS/TEETH EROSION/JAW NECROSIS/BRONCHIAL IRRITATION/PNEUMONIA/ASTHMA/GI DISTURBANCES/POSSIBILITY OF LUNG CANCER.

### Medical Cond Aggravated By Exposure:

N/K

### First Aid:

INGESTION: DO NOT INDUCE VOMITING GIVE PLENTY OF WATER/MILK. IF VOMITING IS PERSISTENT, GIVE FLUIDS REPEATEDLY. EYES/SKIN: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINUTES. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIALSRESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGENS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

### Spill Release Procedures:

CAREFULLY MOP UP OR VACUUM SPILL & RINSE WATER INTO A SUITABLE PLASTIC CONTAINER. SEND TO LOCAL TREATMENT/DISPOSAL FACILITY. FLUSH SPILL AREA W/PLENTY OF WATER.

### Neutralizing Agent:

SODA ASH

### Waste Disposal Methods:

SHIP TO LOCAL TREATMENT/DISPOSAL FACILITY. DISPOSE OF ACCORDING TO LOCAL, STATE & FEDERAL REGULATIONS.

### Handling And Storage Precautions:

KEEP CONTAINER TIGHTLY CLOSED IN UPRIGHT POSITION. STORE AT 50-90F AWAY FROM INCOMPATABLE MATERIALS. PROTECT CONTAINERS AGAINST SPILLAGE/PHYSICAL INJ.

### Other Precautions:

DO NOT GET IN EYES, SKIN, CLOTHING, OR BREATH VAPOR, MIST, GAS. USE W/ADEQUATE VENTILATION. FLUSH CONTAINER CLEAN BEFORE DISCARDING. PUT NOTHING ELSE IN THIS CONTAINER.

## Fire and Explosion Hazard Information

### Flash Point Method:

N/P

### Flash Point:

### Flash Point Text:

NONE

### Autoignition Temp:

N/A

### Lower Limits:

N/K

### Upper Limits:

N/K

### Extinguishing Media:

3 USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

### Fire Fighting Procedures:

WEAR PROTECTIVE EQUIP & A NIOSH/MSHA-APPROVED RESPIRATORY

### Unusual Fire/Explosion Hazard:

EXCESSIVE HEAT MAY CAUSE CONTINERS TO BURST & LIBERATE CORROSIVE FORMIC ACID VAPORS.

## Physical/Chemical Properties

**HCC:**  
**NRC/State LIC No:**  
**Net Prop WT For Ammo:**  
**Boiling Point:**  
**B.P. Text:**  
**B.P. Text:**  
**Melt/Freeze Pt:**  
**M.P/F.P Text:**  
**Decomp Temp:**  
**Decomp Text:**  
**Vapor Pres:**  
**Vapor Pres:**  
**Vapor Density:**  
**Vapor Density:**  
**Volatile Org Content %:**  
**Spec Gravity:**  
**1.296-1.316**  
**VOC Pounds/Gallon:**  
**PH: 2-7**  
**VOC Grams/Liter:**  
**Viscosity:**  
**N/P**  
**Evaporation Rate & Reference:**  
**SLOWER THAN ETHER**  
**Solubility in Water:**  
**COMPLETE**  
**Appearance and Odor:**  
**DARK GREEN LIQUID, PUNGENT ODOR**  
**Percent Volatiles by Volume:**  
**N/R**  
**Corrosion Rate:**  
**N/K**

## Reactivity Data

### Stability Indicator:

YES

### Stability Condition To Avoid:

EXCESSIVE HEAT

### Metals To Avoid:

METALS, STRONG ACIDS, BASES, OXIDIZERS, NITRATES, PEROXIDES

### Hazardous Decomposition Products:

NITROGEN OXIDES, NICKEL, TUNGSTEN, ALUMINUM

### Hazardous Polymerization Indicator:

NO

### Conditions To Avoid Polymerization:

N/K

## 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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