MATERIAL SAFETY DATA SHEET

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

Click http://www.lookchem.com/cas-101/10102-45-1.html for suppliers of this product.

Composition/Information on Ingredient

Cas:
10102-45-1
Code:
M

RTECS:
XG5950000
Code:
M

Name:
THALLIUM NITRATE

Other REC Limits:
N/K 3

OSHA PEL:
0.1 MG/CUM
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
0.1 MG/UM
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
WEAR AN APPROVED HEPA PARTICULATE MASK WHENEVER UNCONTROLLED DUST EXPOSURE IS LIKELY.

Ventilation:
MECHANICAL/LOCAL EXHAUST: USE IN HOOD.

Protective Gloves:
WATERPROOF

Eye Protection:
SPLASH GOGGLES

Other Protective Equipment:
Equipment ACID PROOF APRON W/SLEEVES, LAB COAT, CLOSED SHOES, SAFEETY SHOWER, EYE WASH.

Work Hygienic Practices:
N/K

Supplemental Safety and Health:
HEALTH CONT'D: COBALT-POISON/GASTROENTERITIS/HEART FAILURE. IRON-POISON/DEATH FROM MULTI-ORGAN FAILURE >30 MG. LEAD/MANGANESE-POISONING. MERCURY-PULMONARY EDEMA. MOLYBDENUM-BONE/JOINT SYMPTOMS. NICKEL -SENSITIZER. NITRIC ACID/NITRATE-POISON/CORROSIVE. POTASSIUM-HYPERKALCEMIA. SILVER-SENSITIZATION.

Health Hazards Data

LD50LC50Mixture:
N/P

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
YES

IARC:
YES

OSHA:
YES

Health Hazards Acute And Chronic:
ARSENIC/BARIUM NITRATE/CADMIUM/COPPER/SELENIUM/THALLIUM/ZINC-POISON/DEATH. ALUMINUM NITRATE-CATHARTIC EFFECTS. POTASSIUM ANTIMONYL TARTRATE-CHRONIC/ACUTE ANTIMONY TOXICITY. BERYLLIUM-SENSITIZER/CHRONI C PULMONARY TOXIN. BORIC ACID-BORATE INTOXICATION. CHROMIUM-CORROSION/NON-HEALING ULCERATION. (SEE SUPP)

Explanation Of Carcinogenicity:
SEE INGREDIENTS.

Signs And Symptions Of Overexposure:
VOMITING/DIARRHEA/DEHYDRATION/CRAMPS/PALLOR/SHOCK/COMA/PAIN/BURNING/SALIVATION/DILATED PUPILS/DIFFUSE RASH/FLUSHING/DEAFNESS/GOITER/SHORTNESS OF BREATH/ANKLE SWELLING/CYANOSIS/JAUNDICE/CONFUSION/HEADA CHE/NUMBNESS/WEAKNESS/GAIT DISTURBANCE/UNSTEADYNESS/FEVER/CHILLS/GINGIVITIS/TREMOR/FATIGUE/COUGH/IRRITATION/REDNESS.

Medical Cond Aggravated By Exposure:
ASTHMA, RENAL FAILURE, LIVER DISEASE, THYROID DISORDERS, CARDIAC DISEASE, PARKINSON'S DISEASE, GOUT, DERMATITIS.

First Aid:
EYES/SKIN: FLUSH W/COPIOUS AMOUNTS OF WATER. INHALATION: GIVE MOIST OXYGEN. INGESTION: INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IN ALL CASES. NOTE: BE CERTAIN TO SEND LABEL INFORMATION & MSDA W/PATIE NT TO ASSIST IN EVALUATION & TREATMENT.

Spill Release Procedures:
DRY MATERIAL: SWEEP/WET MOP/VACUUM. AVOID PRODUCTION OF DUST BY USING SWEEPING COMPOUND/HEPA FILERED VACUUM EQUIPMENT.

Neutralizing Agent:
N/K

Waste Disposal Methods:
DISPOSE OF AS HAZARDOUS WASTE DUE TO METALS COMPONENT IN AN APPROVED HAZARDOUS CHEMICAL WASTE FACILITY IAW/FEDERAL, STATE & LOCAL REGULATIONS.

Handling And Storage Precautions:
N/K

Other Precautions:
AVOID INHALATION/HEATING OF DRIED MATERIAL.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
N/K

Autoignition Temp:

Autoignition Temp Text:
N/A 7

Lower Limits:
N/K

Upper Limits:
N/K

Extinguishing Media:
NONE

Fire Fighting Procedures:
NONE

Unusual Fire/Explosion Hazard:
NONE

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
212-213.8F

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
23.7

Vapor Density:
>1

Volatile Org Content %:

Spec Gravity:
1

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P 8

Evaporation Rate & Reference:
(WATER =1): 1

Solubility in Water:
COMPLETE

Appearance and Odor:
CLEAR LIQUID W/NO ODOR

Percent Volatiles by Volume:
N/K

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NONE

Materials To Avoid:
NONE

Hazardous Decomposition Products:
N/K

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NONE

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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