MATERIAL SAFETY DATA SHEET

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

Click http://www.lookchem.com/cas-120/12060-59-2.html for suppliers of this product.

Composition/Information on Ingredient

Cas:
12060-59-2
Code:
M

RTECS:

Code:
X

Name:
STRONTIUM TITANATE

Other REC Limits:
N/K

OSHA PEL:
N/K (FP N)
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
N/K (FP N)
Code:
M

ACGIHSTEL:
N/P
Code:
2

Control Measures

Respiratory Protection:
NONE NEEDED WITH WORKING MIXTURES AND NORMAL ROOM VENTILATION. IF USED AS INTENDED. AVOID BREATHING DUST IF SPILLED. USE NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

Ventilation:
ROOM VENTILATION IS SUFFICIENT UNDER NORMAL OFFICE CONDITIONS. AVOID USE OF PRODUCT IN UNVENTILATED AREAS.

Protective Gloves:
IMPERVIOUS GLOVES (FP N).

Eye Protection:
ANSI APPRVD CHEM WORKERS GOGGS (FP N).

Other Protective Equipment:
Equipment 5 EMERGENCY EYEWASH &DELUGE SHOWER MEETING ANSI DESIGN CRITERIA (FP N).

Work Hygienic Practices:
NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health:
SPILL PROC: MUST BE RATED AS DUST TIGHT. CONDUCTIVE HOSE BONDED TO MACHINE SHOULD BE USED TO REDUCE STATIC BUILD-UP (SEE "FIRE & EXPLO HAZ" SECTION). RESIDUE CAN BE REMOVED W/SOAP & COLD WATER. GARMENTS MAY BE WASHED/DRY CLEANED, AFTER REMOVAL OF LOOSE TONER.

Health Hazards Data

LD50LC50Mixture:
NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
ACUTE: EYES: MAY CAUSE IRRITATION. SKIN: REPEATED CONTACT MAY CAUSE IRRITATION; MAY CAUSE ALLERGIC SKIN REACTION. INHALATION: DUST COULD CAUSE RESPIRATORY IRRITATION ABOVE THE TLV BUT CONSIDERED A LOW HAZARD. INGESTION: MAY CAUSE IRRITATION OF THE MUCOUS MEMBRANES OR DIGESTIVE TRACT.

Explanation Of Carcinogenicity:
NOT RELEVANT.

Signs And Symptoms Of Overexposure:
SEE HEALTH HAZARDS.

Medical Cond Aggravated By Exposure:
NONE SPECIFIED BY MANUFACTURER.

First Aid:
EYES: IMMEDIATELY FLUSH WITH PLENTY OF RUNNING WATER FOR AT LEAST 15 MINUTES. OBTAIN MEDICAL ATTENTION. SKIN: FLUSH AFFECTED AREAS PROMPTLY WITH WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING. IN CASE OF CONTINUED IRRITATION, CONSULT MD. INHALATION: FOR OVEREXPOSURE, REMOVE TO FRESH AIR. INGESTION: OBTAIN IMMEDIATE MEDICAL ATTENTION.

Spill Release Procedures:
REVIEW "FIRE & EXPLO HAZ" & "CTL MEASURES" SECTIONS BEFORE PROCEEDING W/CLEAN UP. SWEEP UP/VACUUM SPILLED TONER & CAREFULLY TRANSFER INTO SEALABLE WASTE CONTR, SWEEP SLOWLY TO MIN GENERATION OF DUST D URING CLEAN UP. IF VACUUM IS USED, MOTOR (SUP DAT) 4

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
ACCORDING TO FED REG 40 CFR 261, THIS MATL IS NOT A HAZ WASTE WHEN DISCARDED. HOWEVER, STATE & LOC REQS MAY BE MORE RESTRICTIVE. THEREFORE, CONSULT W/PROPER STATE & LOC AUTH IS ADVISED. INCIN ONLY IN CLSD CONTR. THIS CHEM FORMULATION HAS NOT (ING 9)

Handling And Storage Precautions:
STORE IN A WELL-VENTILATED AREA. KEEP CONTAINER TIGHTLY CLOSED. DO NOT STORE WITH INCOMPATIBLE MATERIALS (SEE "REACTIVITY DATA" SECTION).

Other Precautions:
DO NOT STORE OR CONSUME FOOD, DRINK OR TOBACCO IN AREA WHERE THEY MAY BECOME CONTAMINATED WITH THIS MATERIAL.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
N/A

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/A

Upper Limits:
N/A

Extinguishing Media:
USE WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE OR FOAM.

Fire Fighting Procedures:
WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N). CONTAINERS SHOULD BE KEPT COOL WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:
TONER, LIKE MOST ORG MATLS IN POWDER FORM, WHEN DISPERSED IN AIR, CAN FORM EXPLO MIX THAT CAN PRDCE TOX FUMES SUCH AS CARBON MONOXIDE & CARBON DIOXIDE.

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/A

Melt/Freeze Pt:

M.P/F.P Text:
160F,71C

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
NEGLIGIBLE

Vapor Density:
N/A

Volatile Org Content %:

Spec Gravity:
2.0 (H*2O=1)

VOC Pounds/Gallon:

PH: N/A

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/A

Solubility in Water:
NEGLIGIBLE

Appearance and Odor:
FINE BLACK POWDER, WITH SLIGHT ODOR

Percent Volatiles by Volume:
N/K

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
EXCESSIVE HEAT OR FLAME.

Materials To Avoid:
AVOID STRONG OXIDIZERS.

Hazardous Decomposition Products:
CARBON DIOXIDE, CARBON MONOXIDE.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT RELEVANT.

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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