

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-156/15699-18-0.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

15699-18-0

Code:

M

RTECS:

WS6050000

Code:

M

Name:

NICKEL AMMONIUM SULFATE (SARA III)

Other REC Limits:

N/P

OSHA PEL:

0.1 MG NI/M3

Code:

M

OSHA STEL:**Code:****ACGIH TLV:**

0.1 MG NI/M3; 9192

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

USE AMMONIA TYPE CART NIOSH/MSHA APPROVAL # TC-23C-70/TC-23C-139

Ventilation:

LOCAL EXHAUST TO ELIMINATE MISTS/FUMES/GASES.

Protective Gloves:

IMPERV. RUBBER

Eye Protection:

CHEM SPLASH GOGGLES

Other Protective Equipment:

Equipment NORMAL WORK CLOTHING COVERING ARMS LEGS.

Work Hygienic Practices:

N/P

Supplemental Safety and Health:

PH IS 7.5 NSN DUP OF 6850-01-053-4242. MSDS UNDATED,BUT HAS BEEN UPDATED SINCE 9/25/84 SUBMISSION. MFG STATED PROD DOES NOT CONTAIN ETHYLENEDIAMINE.

Health Hazards Data

LD50/LC50 Mixture:

N/P

Route Of Entry Inh - Inhalation:

N/P

Skin:

N/P

Ingestion:

N/P

Carcinogenicity Inh - NTP:

N/P

IARC:

N/P

OSHA:

N/P

Health Hazards Acute And Chronic:

N/P

Explanation Of Carcinogenicity:

N/P

Signs And Symptoms Of Overexposure:

SPRAY CAUSED BY FOAMING MAY IRRITATE SKIN & EYES. IF SEVERELY AGITATED-MIST IRRIT NASAL PASSAGES. 3

Medical Cond Aggravated By Exposure:

N/P

First Aid:

REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEED. SKIN:WASH WITH SOAP & WATER. EYES:FLUSH WITH WATER 15 MIN. KEEP WARM AND QUIET !

Spill Release Procedures:

EVACUATE UNPROTECTED PERSONS. S LEAK. H₂O SPRAY TO COOL CONT/DIVERT SPILL FROM FIRE/HEAT. PROVIDE VENTILATION. ABSORB W COMMERCIAL ABSORBENT,SHOVEL INTO METAL DRUMS. LG SPILL:DIKE W COMMERCIAL ABSORBENT, PUMP INTO COVERED DRUMS.

Neutralizing Agent:

N/P

Waste Disposal Methods:

KEEP IN COVERED DRUMS,PENDING DISPOSAL. HANDLE & DISPOSE IN FULL COMPLIANCE WITH ALL APPLICABLE INTERNATIONAL,FEDERAL,STATE, & LOCAL REGULATIONS.

Handling And Storage Precautions:

STORE IN COOL,DRY,WELL VENTILATED,LOW FIRE RISK AREA. PROTECT FROM PHYSICAL DAMAGE.KEEP CONTAINERS CLOSED. MAINTAIN STANDARD HYGIENE FOR CHEM HANDLING

Other Precautions:

NONE

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

N/P

Flash Point Text:

NONE

Autoignition Temp:

N/A

Autoignition Temp Text:

N/A

Lower Limits:

N/A

Upper Limits:

N/A

Extinguishing Media:

4 EXTINGUISH W. AGENT SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:

WEAR SELF-CONTINUED BREATHING APP

Unusual Fire/Explosion Hazard:

NONE NOTED BY MANUFACTURER.

Physical/Chemical Properties

HCC:

N1

NRC/State LTC No:

N/A

Net Prop WT For Ammo:

N/P

Boiling Point:

N/A

B.P. Text:

212F/100C

Melt / Freeze Pt:

N/A

M.P./F.P. Text:

N/A

Decomp Temp:

N/A

Decomp Text:

N/A

Vapor Pres:

UNK

Vapor Density:

UNK

Volatile Org Content %:

N/A

Spec Gravity:

1.22

VOC Pounds/Gallon:

N/A

PH:

N/P

VOC Grams/Liter:

N/A

Viscosity:

N/P

Evaporation Rate & Reference:

UNKNOWN

Solubility in Water:

COMPLETE

Appearance and Odor:

GREENISH BLUE SOLUTION W/SLIGHT AMMONIA ODOR.

Percent Volatiles by Volume:

80

Corrosion Rate:

N/P

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

NON

Materials To Avoid:

MAY REACT W/ACIDIC CHEMICALS W/ EVOLUTION OF HEAT

Hazardous Decomposition Products:

CARBON DIOXIDE,CARBON MONOXIDE,POSSIBLY AMMONIA FUMES

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/P

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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N1

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Volatile Org Content %:

N/A

Spec Gravity: