

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-134/1343-98-2.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

1343-98-2

Code:

M

RTECS:

VV8853000

Code:

M

Name:

SILICIC ACID (POLYORTHO); (SILICA GEL) Environme

Other REC Limits:

N/P

OSHA PEL:

N/P

Code:**OSHA STEL:**

N/P

Code:**ACGIH TLV:**

N/P

Code:**ACGIH STEL:**

N/P

Code:

Control Measures

Respiratory Protection:

NIOSH APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

Ventilation:

USE IN A WELL-VENTILATED AREA. 3

Protective Gloves:

IMPERVIOUS GLOVES (FP N).

Eye Protection:

ANSI APPROVED CHEM WORKERS GOGGS (FP N)

Other Protective Equipment:

Equipment EYE WASH FOUNTAIN &DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA (FP N).

Work Hygienic Practices:

WASH HANDS AFTER HANDLING &BEFORE EATING.

Supplemental Safety and Health:

PH:UNREACTION SOLN IN WATER IS ACIDIC-N/A. APPEAR/ODOR:AT PH OF APPROX 7. SPILL PROC:IS NEUTRALIZED, PH APPROX=7). WASTE DISP METH:BLUE):CITRIC ACID HAS BEEN NEUTRALIZED. AT THIS POINT SOLN CNTNS AMMONIUM CITRATE. FLUSHING W/EXCESS WATER TO SEWER IS REC. CHECK W/LOC SEWER AUTHS TO VERIFY ACCEPTABILITY OF THIS PRACTICE.

Health Hazards Data

LD50LC50Mixture:

NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation:

NO

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

EYES:SEVERE IRRITATION:SIGNS/SYMPOTMS CAN INCLUDE REDNESS, SWELLING, PAIN, TEARING, CLOUDY APPEARANCE OF CORNEA, IMPAIRED VISION AND POSSIBLE PERMANENTLY IMPAIRED VISION. SKIN CONTACT:MODERATE IRRITATION:SIGNS/SYMPOTMS CAN INCLUDE REDNESS,SWELLING, ITCHING AND DRYNESS. INGESTION:IRRITATION (EFTS OF OVEREXP)

Explanation Of Carcinogenicity:

NONE LISTED.

Signs And Symptoms Of Overexposure:

HTH HAZ:GASTROINTESTINAL TISSUES:SIGNS/SYMPOTMS CAN INCLUDE PAIN, VOMITING, ABDOMINAL TENDERNESS, NAUSEA, BLOOD IN VOMITUS AND BLOOD IN FECES. INHALATION:IRRITATION (UPPER RESPIRATORY):SIGNS/SYMPOTMS CAN INCLUDE SORENESS OF NOSE AND THROAT, COUGHING AND SNEEZING.

Medical Cond Aggravated By Exposure:

2 NONE SPECIFIED BY MANUFACTURER.

First Aid:

EYES:IMMEDIATELY FLUSH W/LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. SKIN:FLUSH W/LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. INGEST:DRI NK TWO GLASSES OF WATER. CALL MD. INHAL:REMOVE PERSON TO FRESH AIR. IF SIGNS/SYMPOTMS CONTINUE, CALL MD.

Spill Release Procedures:

SWEEP/SHOVEL UP WASTE. FLUSH SPILL AREA W/WATER TO REMOVE RESIDUE. ENVIRON DATA:RXN OF SOLN OF THIS POWDER W/ANHYDROUS AMMONIA PRODUCES AMMONIUM CITRATE SALT. CITRIC ACID IS EXHAUSTED WHEN SOLN CHANGES COLOR FROM YELLOW-ORANGE TO BLUE (SOLN (SUPDAT)

Neutralizing Agent:

SODA ASH OR OTHER BASE THAT WILL NEUTRALIZE CITRIC ACID.

Waste Disposal Methods:

DISP MUST BE I/A/W FED, STATE & LOC REGS (FP N). UNREACTION SOLN:NEUT W/SODA ASH/OTHER BASE THAT WILL NEUT CITRIC ACID BEFORE FLUSHING TO SEWER. CHECK W/LOC SEWER AUTHS TO VERIFY ACCEPTABILITY OF THIS PRACTICE. REACTED SOLN (COLOR CHANGES TO (SUPDAT)

Handling And Storage Precautions:

STORE AT ROOM TEMPERATURE. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:

AVOID EYE & SKIN CONTACT. AVOID BREATHING OF DUST.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

N/A

Flash Point Text:

NOT APPLICABLE

Autoignition Temp:

N/A

Autoignition Temp Text:

N/A

Lower Limits:

N/A

Upper Limits:

N/A

Extinguishing Media:

WATER, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures:

USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard:

NOT APPLICABLE.

Physical/Chemical Properties

HCC:

C3

NRC/State Lic No:

NRC/STATE LIC N

Net Prop WT For Ammo:

N/A

Boiling Point:

N/A

B.P. Text:

N/A

Melt/Freeze Pt:

N/K

M.P/F.P Text:

N/K

Decomp Temp:

N/K

Decomp Text:

N/K

Vapor Pres:

N/A

Vapor Density:

N/A

Volatile Org Content %:

N/A

Spec Gravity:

SEE ING 1

VOC Pounds/Gallon:

N/A

PH:

SUPDAT

VOC Grams/Liter:

N/A

Viscosity:

N/P

Evaporation Rate & Reference:

NOT APPLICABLE

Solubility in Water:

SEE INGREDIENT 1.

Appearance and Odor:

WHITE GRANULAR POWDER, ESSENTLY ODORLESS IN SOLN, CHANGES COLOR TO BLUE (SUPDAT)

Percent Volatiles by Volume:

NIL

Corrosion Rate:

N/K

Conditions To Avoid Polymerization:

NOT RELEVANT 4

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

Other Information:

N/P</