

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-144/14464-46-1.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
14464-46-1

Code:
M

RTECS:
VV7325000

Code:
M

Name:
SILICA, CRYSTALLINE - CRISTOBALITE (CRYSTALLINE S

Other REC Limits:
N/K

OSHA PEL:
0.05 MG/M3 RDUST

Code:
M

OSHA STEL:
N/P

Code:

ACGIH TLV:
0.05 MG/M3 RDUST

Code:
M

ACGIHSTEL:
N/P

Code:

Control Measures

Respiratory Protection:
NIOSH/MSHA APPROVED DUST AND/OR ORGANIC VAPOR RESPIRATOR FOR EXPOSURES ABOVE TLV.

Ventilation:
LOCAL EXHAUST RECOMMENDED TO MAINTAIN EXPOSURES BELOW TLV. 4

Protective Gloves:
IMPERVIOUS GLOVES.

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

Other Protective Equipment:
Equipment NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:
NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health:
NUISANCE DUST HAZARD. AVOID CREATING DUST. WEAR DUST MASK UNDER DUSTY CONDITIONS.

Health Hazards Data

LD50LC50Mixture:
SEE TOXICITY SECTION

Route Of Entry Inds - Inhalation:
YES

Skin:
NO

Ingestion:
NO

Carcinogenicity Inds - NTP:
YES

IARC:
YES

OSHA:
NO

Health Hazards Acute And Chronic:
INGREDIENT 6: MAY CAUSE IRRITATION TO SKIN, EYES AND LUNGS. INGREDIENT 7: MAY IRRITATE SKIN AND EYES. INGREDIENTS 1, 2, & 3: CHRONIC EXPOSURE TO DUST COULD CAUSE PULMONARY PROBLEMS. CHRONIC OVEREXPOS URE TO DUST CONTAINING RESPIRABLE SIZED CRYSTALLINE SILICA (QUARTZ, CRISTOBALITE, AND TRIDYMITE) CAN CAUSE DELAYED LUNG INJURY (SILICOSIS). TARGET ORGANS: REPIRATORY SYSTEM AND LUNGS.

Explanation Of Carcinogenicity:
CRYSTALLINE SILICA (QUARTZ, CRISTOBALITE, TRIDYMITE): GRP 2A: IARC MONOGRAPHS.

Signs And Symptions Of Overexposure:
IRRITATION, COUGHING. 3

Medical Cond Aggravated By Exposure:
INHALATION OF DUST CONTAINING CRYSTALLINE SILICA MAY CONTRIBUTE TO PRE-EXISTING PULMONARY DISEASES SUCH AS ASTHMA AND LUNG DISORDERS ASSOCIATED WITH SMOKING OF TOBACCO.

First Aid:
SKIN: WASH THOROUGHLY WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL HELP.

Spill Release Procedures:
AVOID GENERATING DUST EXPOSURE DURING CLEANUP.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
DISPOSE OF MATERIAL ACCORDING TO LOCAL, STATE OR FEDERAL REGULATIONS AS FINAL USED CONDITION OF PRODUCT DICTATES.

Handling And Storage Precautions:
AVOID DUST GENERATION.

Other Precautions:
CRYSTALLINE SILICA LEVELS IN USED REFRACTORIES MAY BE HIGHER OR LOWER THAN AS-SHIPPED DEPENDING ON SERVICE CONDITIONS. HYGIENE MONITORING MUST BE DONE TO INSURE THE PROPER EMPLOYEE PROTECTION DURING T EAROUT.

Fire and Explosion Hazard Information

Flash Point Method:
N/A

Flash Point:

Flash Point Text:
NONFLAMMABLE

Autoignition Temp:

Autoignition Temp Text:
N/P

Lower Limits:

Upper Limits:

Extinguishing Media:
NONFLAMMABLE

Fire Fighting Procedures:
N/A

Unusual Fire/Explosion Hazard:
NONE

Physical/Chemical Properties

HCC:
N1

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/K

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
N/K

Vapor Density:
N/K

Volatile Org Content %:

Spec Gravity:
N/K

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/K

Solubility in Water:
N/K

Appearance and Odor:
TAIN, GRANULAR, DRY MIXTURE, ODORLESS.

Percent Volatiles by Volume:
N/K

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:
MAY GENERATE SO*2 FUMES.

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