

OTTAWA INDUSTRIAL SAND CO (FRMLY US SILICA CO) -- SILICA SAND SOLD UNDER VARIOUS NAMES,ASTM TESTING SANDS -- 3680-00-267-2664

===== Product Identification =====

Product ID:SILICA SAND SOLD UNDER VARIOUS NAMES,ASTM TESTING SANDS

MSDS Date:02/01/1995

FSC:3680

NIIN:00-267-2664

MSDS Number: BWSZ

=== Responsible Party ===

Company Name:OTTAWA INDUSTRIAL SAND CO (FRMLY US SILICA CO)

Box:187

City:BERKEL

EY SPRINGS

State:WV

ZIP:25411

Country:US

Info Phone Num:304-258-2500/304-258-8295 FAX

Emergency Phone Num:304-258-2500

CAGE:OTTAW

=== Contractor Identification ===

Company Name:OTTAWA INDUSTRIAL SAND CO (FRMLY US SILICA CO)

Box:187

City:BERKELEY SPRINGS

State:WV

ZIP:25411

Country:US

Phone:304-258-2500/304-258-8295 FAX

CAGE:OTTAW

===== Composition/Information on Ingredients =====

Ingred Name:SILICA, CRYSTALLINE - QUARTZ

CAS:14808-60-7

RTECS #:VV7330000

Other REC Limits:NONE RE

COMMENDED

OSHA PEL:10 MG/M3 RDUST; Z-3

ACGIH TLV:0.1 MG/M3 RDUST;9394

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:INHAL:EXPO TO RESP CRYSTALLINE

SILICA(QUARTZ)CAN CAUSE SILICOSIS(FIBROSIS-SCARRING-OF

LUNGS),PROGRESSIVE,ASSOC W/INCREASED INCIDENCE OF

SCLERODERMA(IMMUNE SYS DISORDER MANIFESTED BY FIBROSIS OF LUNS,S

KIN,INTERNAL ORGANS),TUBERCULOSIS,INCREASED INCIDENCE OF KIDNEY LESIONS.EYE:ABRASION OF CORNEA.INGEST/SKIN:NOT APPLICABL
Explanation of Carcinogenicity:PER MSDS:IARC:GROUP 2A, NTP:PROBABLE CARCINOGEN. LISTED AS CARCINOGEN PER CAL PROP 65.
Effects of Overexposure:GENERALLY NO SIGNS/SYMPTOMS OF EXPO TO CRYSTALLINE SILICA.CHRONIC/ORDINARY SILICOSIS:SHORTNESS OF BREATH,WHEEZING,COUGH,SPUTUM PRODUCTION.ACUTE SILICOSIS:SAME,WT LOW,FEVER.SCLERODERMA:THICKENING & STIFFNESS OF SKIN PARTICULARLY IN FINGERS,SHORTNESS OF BREATH,DIFFICULTY SWALLOWING,JOINT PROBLEMS.
Medical Cond Aggravated by Exposure:THE CONDITION OF INDIVIDUALS W/LUNG DISEASE (E.G. BRONCHITIS, EMPHYSEMA, CHRONIC OBSTRUCTIVE PULMONARY DISEASE) CAN BE AGGRAVATED BY EXPOSURE.

===== Fire Fighting Measures =====

Flash Point:NONE,NON-FLAMM
Lower Limits:NONE
Upper Limits:NONE
Extinguishing Media:NONE REQUIRED. HOWEVER USE APPROPRIATE EXTINGUISHING MEDIA FOR SURROUNDING FIRE/MATERIALS.
Unusual Fire/Explosion Hazard:NONE.

===== Accidental Release Measures =====

Spill Release Procedures:USE DUSTLESS METHODS (VACUUM) & PLACE INTO CLOSABLE CONTAINER FOR DISPOSAL OR FLUSH W/WATER. DO NOT DRY SWEEP. WEAR PROTECTIVE EQPMT SPECIFIED IN MSDS.

===== Handling and Storage =====

Handling and Storage Precautions:AVOID BREAKAGE OF BAGGED MATL OR PSILLS OF BULK MAT. USE DUSTLESS SYS FOR HANDLING/STORAGE/CLEANUP SO THAT AIRBORNE DUST DOES NOT EXCEED PEL.
Other Precautions:USE ADEQ VENTI/DUST COLLECTION.DO NOT PERMIT DUST TO COLLECT ON WALLS/FLOORS/SILLS/LEDGES/MACHINERY/EQPMT.MAINTAIN/CLEAN/FIT TEST RESP IAW OSHA REGS.MAINTAIN/TEST VENTI/DUST COLLECTION EQPMT.US SILICA CO MATL SHOULD NOT BE USE FOR SANDBLAST

===== Exposure Controls/Personal Protection =====

Respiratory Protection:SEE ANSI STD Z88.2"AMER NAT STD FOR RESP PROT".ONLY NIO

SH/MSHA APPROVED EQPMT SHOULD BE USED.SEE

29CFR1910.134.5 X PEL OR LESS:DUST RESP;10 X PEL OR LESS:DUST RESP
EXCEPT SINGLEUSE/QT MASK RESP,SCBA,S UPPLIED AIR RESP;50 X PEL OR
LESS:(SUPP)

Ventilation:USE SUFFICIENT LOC EXHA TO REDUCE LEVEL OF RESP CRYSTALLINE
SILICA TO PEL.SEE ACGIH"INDUSTR VENTI MANUAL OF RECOMM PRAC"

Protective Gloves:NONE SPECIFIED BY MANUFACTURER.

Eye Protection:NONE SPECIFIED BY MFG.HOWEVER WEAR PROT

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:PRACTICE GOOD HOUSEKEEPING.WASH/VACUUM CLOTH
WHICH HAS BECOME DUSTY.FOLLOW STRICTLY OSHA HAZ COMM STD.PROVIDE
TRAINING.

Supplemental Safety and Health

OTHER PRECAUT:SEE ASTM E1132-86"STD PRAC FOR HEALTH REQMTS RELATING OT
OCCUPAT EXPO TO QUARTZ DUST". RESP:HEPF RESP W/FULL FACEPC,SUPPLIED
AIR RESP W/FULL FACEPC/HELMET/HOOD,SCBA W/FULL FACEPC;500 X P EL OR
LESS:POWERED AIRPURIFYING RESP W/HEPF,TYP C SUPPLIED AIR RESP IN
PRESS-DEMAND/+PRESS/CONT FLOW
MODE.

===== Physical/Chemical Properties =====

HCC:N1

Boiling Pt:B.P. Text:4046F,2230C

Melt/Freeze Pt:M.P/F.P Text:3110F,1710C

Vapor Pres:NONE

Vapor Density:NONE

Spec Gravity:2.65

Evaporation Rate & Reference:NONE

Solubility in Water:INSOLUBLE

Appearance and Odor:WHITE OR TAN SAND, GRANULAR,CRUSHED OR GROUND, NO
ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

CONTACT W/POWERFUL OXIDIZING

AGENTS SUCH AS FLUORINE, CHLORINE

TRIFLUORIDE, OXYGEN DIFLUORIDE MAY CAUSE FIRES.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:SILICA WILL DISSOLVE IN HYDROFLUORIC
ACID & PRODUCE A CORROSIVE GAS-SILICON TETRAFLUORIDE.

===== Disposal Considerations =====

Waste Disposal Methods:PKG/MATL MAY BE LANDFILLED;HOWEVER MATL SHOULD
BE COVERED TO MIN GENERATION OF AIRBORNE DUST.CRYSTALLINE SILICA
NOT CLASSIF

IED AS HAZ WASTE UNDER RCRA/REGS 40CFR261 ET SEQ.MATL

MAY BE CONTAMIN DURING USE-USER RESPONSIBLE TO ASSESS DISPOSAL.NOT
ECOTOX

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