



MATERIAL SALES UNLIMITED

SUR-LINK

Materials Safety Data Sheet

SUR-LINK PAVER SAND

Section 1 – Product Identification

Material Sales Unlimited Inc.

PO Box 5067, Buena Park, CA 90622 Tel: 800-788-9067 Fax: 800-788-7217

Web: www.msubulk.com Email: sales@msubulk.com

MSDS Date: 2/15/13

Section 2 – Composition / Information on Ingredients

Ingredients Name: Granite, Crystalline – Quartz

CAS: 14808-60-7

RTECS # : VV7330000

OSHA PEL: See Table Z-3

ACGIH TLV: 0.1 MG/M3

Ingredients Name: SUPDAT : MAINTAIN & TEST VENT & DUST COLLECTION EQUIPMENT

WASH/VACUM CLOTHING WHICH HAS BECOME DUSTY. SEE ALSO CONTROL (ING 3)

RTECS # :9999999ZZ

Ingredients Name: ING 2 :MEASURES . SEE OSHA HAZARD COMMUNICATION RULE 29 CFR

SECTIONS 1910.1200, 1915.99, 1917.28, 1918.90, 1926.59 (ING4)

RTECS # : 9999999ZZ

Ingredients Name: ING 3 : & 1928.21 & STATE & LOCAL WORKER /COMMUNITY “RIGHT TO KNOW”

LAWS & REGS. WE REC THAT SMKG BE PROHIBITED IN (ING5)

RTECS # : 9999999ZZ

Ingredients Name: ING4 : ALL AREAS WHERE RESP MUST BE USED. WARN YOUR EMPLOYEES (AND CUSTOMERS FOR RESALE) BY (ING6)

RTECS # : 9999999ZZ

Ingredients Name: ING5: POSTING & OTHER MEANS OF HAZ & OSHA PREC TO BE USED. PROVIDE TRAINING TO YOUR EMPLOYEES ABOUT OSHA PREC. (ING7)

RTECS # : 9999999ZZ

Ingredients Name: ING6 : SEE ALSO AMERICAN SOCIETY FOR TESTING & MALTS (ASTM) STD PRACTICE E1132.86 "STD PRACTICE FOR HEALTH (ING8)
RTECS # : 999999ZZ

Ingredients Name: ING7 : REQUIRMENTS RELATING TO OCCUPATIONS EXPOSURE TO QUARTZ DUST.
RTECS # : 999999ZZ

Ingredients Name: Organic Binder
Purity: NLT 70%
Toxicological Data on Ingredients: Not Applicable

Section 3 – Hazards Identification

LD50 LC 50 MIXTURE: NONE SPECIFIED BY MANUFACURER.

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

Potential Health Effects: Eyes: MAY CAUSE IRRITATION OR BURNING. SYMPTOMS INCLUDE STINGING, TEARING, REDNESS AND SWELLING OF EYES. Skin: MAY CAUSE SKIN IRRITATION.SYMPTOMS INCLUDE REDNESS, BURNING, AND SWELLING OF SKIN.

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

Health Hazards Acute and Chronic: ACUTE : PROLONGED EXPOSURE TO RESPIRABLE CRYSTALLINE QUARTZ MAY CAUSE DELAYED (CHRONIC) LUNG INJURY (SILICOSIS). ACUTE OR RAPIDLY DEVELOPING SILICOSIS MAY OCCUR IN A SHORT PERIOD OF TIME IN HEAVY EXPOSURE IN CERTAIN OCCUPATIONS SUCH AS SANDBLASTERS. SILICOSIS IS A FORM OF DIABLING PULMONARY FIBROSIS (EFTS OF OVER EXPOSURE).

Explanation of Carcinogenicity: SILICA, CRYSTALLINE – QUARTZ : IARC MONO, SUPP. VOL 7, PG 341, 1987: GROUP 2A. NTP 7TH ANNUAL RPT ON CARCIN, 1994 : (SUPDAT)

Effects of Over Exposure: HLTH HAZ : WHICH CAN PROGRESSIVE AND MAY LEAD TO DEATH. SIGNS AND SYPTOMS OF EXPOSURE UNDUE BREATHLESSNESS, WHEEZING, COUGH AND SPUTUM PRODCUTION.

Medical Cond Aggravated by Exposure: PULM FUNCTION MAY BE REDUCED BY INHAL OF RESPIRABLE CRYSTALLINE SILICA. ALSO LUNG SCARRING PRODUCED BY SUCH INHAL MAY LEAD TO PROGRESSIVE MASSIVE FIBROSIS OF LUNG WHICH MAY AGGRAVATE OTHER PULM (SUPDAT).

Section 4 – First Aid Measures

First Aid: INGEST : CALL MD IMMEDIATELY. SKIN: FLUSH WITH COPIOUS AMOUNTS OF WATER. CALL MD. EYES: FOR SAND IN EYES WASH IMMEDIALTELY WITH WATER FOR AT LEAST 15 MIN. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. INHALE: GROSS INHALE, REMOVE PERSON IMMEDIATELY TO FRESH AIR, GIVE ARTF RESP AS NEEDED, SEEK MEDICAL ATTENTION AS NEEDED.

Section 5 – Fire Fighting Measures

Flash Point : NON-FLAMABLE

Lower Limits: NONE

Upper Limits: NONE

Extinguishing Media: NONE REQUIRED

Fire Fighting Procedures: NOT APPLICABLE. USE NIOSH.MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard: CRYSTALLINE SILICA IS NEITHER FIRE NOR EXPLO HAZ.

Section 6 – Accidental Release Measures

Spill Release Procedures: USE DUSTLESS METH (VACUM) AND PLACE IN CLOSABLE CONTAINER FOR DISPOSAL. WEAR PROTECTIVE EQUIPMENT SPECIFIED BELOW.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Section 7 – Handling and Storage

Handling and Storage Precautions: AVOID BREAKAGE OF BAGGED MATL/SPILLS OF BULK MATL. SEE CONTROL MEASURES IN SECTION VIII. USE ADEQUATE VENT AND DUST COLLECTION.

Other Precautions: USE DUSTLESS SYSTEM FOR HANDLING, STORAGE AND CLEAN UP SO THAT AIRBORNE DUST DOES NOT EXCEED PEL. PRACTICE GOOD HOUSEKEEPING. DO NOT PERMIT DUST TO COLLECT ON WALLS, FLOORS, SILLS, LEDGES, MACHINERY EQUIPMENT. MAINT AIN, CLEAN & FIT TEST RESPS (SUPDAT)

Section 8 – Exposure Controls/ Personal Protection

Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN.

Ventilation: USE SUFFICIENT LOC EXHAUST TO REDUCE LEV OF RESPIRABLE CRYSTALLINE SILICA TO PEL.

Protective Gloves: IMPERVIOUS GLOVES

Eye Protection: ANSI APPROVED CHEM WORKERS GOGGLES.

Other Protective Equipment: ANSI APPROVED EMERGENCY EYE WASH & DELUGE SHOWER.

Work Hygienic Practices: AVOID CREATING AND BREATHING DUST. SEE OTHER PRECUATIONS : UNDER SECTION VII.

Supplemental Safety and Health

HAZ DECOMP PROD: MAY CAUSE FIRES. EXPLAN OF CARCIN: ANTIC TO BE CARCIN. MED

CNDTINS: CNDTS & DISEASE & WHICH INCR SUSCEPTIBILITY TO PULM TUBERCULOSIS.

PROGRESSIVE MASSIVE FIBROSIS MAY BE ACCOMPANIED BY RIGHT HEART ENLARGEMENT, HEART FAILURE & PULM FAILURE. SMKG AGGRAVATES EFTS OF EXPOS. OTHER PREC: I/A/W OSHA REGS. (ING2)

Section 9 – Physical /Chemical Properties

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

Melt/Freeze Pt: M.P/F.P Text: 3050F, 1677C

Vapor Pres: NONE

Vapor Density: NONE

Spec Gravity: 2.65 (H*2O=1)

Evaporation Rate & Reference : NONE

Solubility in Water: Insoluble

Appearance and Odor: GREY OR TAN SAND, GRANULAR, CRUSHED, OR GORUND- NO ODOR OR TASTE.

Section 10 – Stability and Reactivity Data

Stability Indicator/ Materials to Avoid: NONE

Stability Condition to Avoid: NONE

Hazardous Decomposition Products: CONT W/ POWERFUL OXIDIZING AGENTS SUCH AS FLOURINE, CHLORINE TRIFLOURIDE, MANGANESE TRIOXIDE OXYGEN DIFLOURIDE, (SUPDAT)

Section 11- Disposal Considerations

Waste Disposal Methods: DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOAC REGULATIONS.

****DISCLAIMER**** (PRIVIDED WITH THIS INFORMATION BY THE COMPILING AGENCIES): This information is formulated for the use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.