
 | M A T E R I A L S A F E T Y D A T A S H E E T |

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SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME : POLYMER QUARTZ FILLER
 IDENTIFICATION NUMBER: MSDPSQTZFILC PREPARE / REVISED: 08/07/06
 PRODUCT USE/CLASS : FILLER

SUPPLIER: MANUFACTURER:
 Dudick, Inc. Dudick, Inc.
 1818 Miller Parkway 1818 Miller Parkway
 Streetsboro, Ohio 44241 Streetsboro, Ohio 44241

CHEM-TEL: 800-255-3924 CHEM-TEL: 800-255-3924
 24 HOURS A DAY 24 HOURS A DAY

PREPARER: DUDICK, INC., PHONE: 800-322-1970

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SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

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| ITEM | CHEMICAL NAME | CAS NUMBER | WT/WT % LESS THAN |
|------|-------------------------------|------------|----------------------|
| 01 | SILICON DIOXIDE (CRYSTALLINE) | 14808-60-7 | 100.0 % |

| ITEM | EXPOSURE LIMITS | | | | | |
|------|-----------------|----------|--------------|-------------|---------|------|
| | ACGIH | | OSHA | | COMPANY | |
| | TLV-TWA | TLV-STEL | PEL-TWA | PEL-CEILING | TLV-TWA | SKIN |
| 01 | .1mg/m3 DUST | NO INFO | .1mg/m3 DUST | NO INFO | NE | NO |

(See Section 16 for abbreviation legend)

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SECTION 3 - HAZARDS IDENTIFICATION

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*** EMERGENCY OVERVIEW ***: CAUTION!---CONTAINS RESPIRABLE SILICA.
 RESPIRATORY HAZARD.

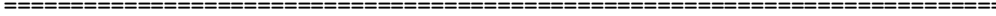
EFFECTS OF OVEREXPOSURE - EYE CONTACT: MAY CAUSE TEMPORARY MECHANICAL
 IRRITATION.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: REPEATED EXPOSURE MAY CAUSE DRYING
 AND FLAKING OF THE SKIN.

EFFECTS OF OVEREXPOSURE - INHALATION: MAY CAUSE IRRITATION OF THE NOSE,
 THROAT, AND LUNGS. MAY CAUSE WHEEZING, CAUGHING, AND SHORTNESS OF BREATH.

EFFECTS OF OVEREXPOSURE - INGESTION: NONTOXIC BY INGESTION.

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| SECTION 3 - HAZARDS IDENTIFICATION |
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EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: PROLONGED EXCESSIVE EXPOSURE TO RESPIRABLE CRYSTALLINE SILICA MAY CAUSE DELAYED CHRONIC LUNG DISEASE-SILICOSIS. SILICOSIS IS A PULMONARY FIBROSIS WHICH CAN BE DISABLING, PROGRESSIVE AND CAN LEAD TO DEATH. THE IARC HAS DETERMINED THAT THERE IS SUFFICIENT EVIDENCE OF CARCINOGENICITY OF CRYSTALLINE SILICA TO EXPERIMENTAL ANIMALS AND LIMITED EVIDENCE TO HUMANS (CLASS 2A). LONG TERM EXPOSURE TO MINERAL DUSTS IS CONSIDERED AN AGGRAVATING FACTOR FOR CHRONIC, SIMPLE BRONCHITIS. PREEXISTING LUNG DISEASES MAY BE AGGRAVATED BY THIS PRODUCT. THERE IS EVIDENCE THAT EXPOSURE TO CRYSTALLINE SILICA OR THE DISEASE SILICOSIS CAN INCREASE THE CHANCE OF CONTRACTING SCLERODERMA, AN IMMUNE SYSTEM DISORDER CAUSING FIBROSIS OF THE LUNGS, SKIN AND OTHER INTERNAL ORGANS. INDIVIDUALS WITH SILICOSIS ARE PREDISPOSED TO DEVELOP TUBERCULOSIS. THERE ARE SEVERAL STUDIES SUGGESTING THAT EXPOSURE TO RESPIRABLE CRYSTALLINE SILICA MAY INCREASE THE INCIDENCE OF KIDNEY LESIONS.

PRIMARY ROUTE(S) OF ENTRY: INHALATION

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| SECTION 4 - FIRST AID MEASURES |
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FIRST AID - EYE CONTACT: FLUSH EYES WITH FLOWING WATER UNTIL IRRITATION CEASES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

FIRST AID - SKIN CONTACT: WASH AFFECTED AREAS THOROUGHLY WITH SOAP AND WATER.

FIRST AID - INHALATION: REMOVE VICTIM TO FRESH AIR. IF VICTIM IS NOT BREATHING, ARTIFICIAL RESPIRATION SHOULD BE ADMINISTERED BY QUALIFIED PERSONNEL. SUPPLEMENTAL OXYGEN MAY BE INDICATED. CALL A PHYSICIAN.

FIRST AID - INGESTION: NONE NORMALLY REQUIRED.

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| SECTION 5 - FIRE FIGHTING MEASURES |
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FLASH POINT: N.A.

LOWER EXPLOSIVE LIMIT: N.A.

UPPER EXPLOSIVE LIMIT: N.A.

AUTOIGNITION TEMPERATURE: NA

EXTINGUISHING MEDIA: ALCOHOL FOAM CO2 DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE.

SPECIAL FIREFIGHTING PROCEDURES: PRODUCT IS NON-FLAMMABLE. CONSIDERATION MUST BE GIVEN TO OTHER MATERIAL INVOLVED IN THE FIRE.

(Continued on Page 3)

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| SECTION 6 - ACCIDENTAL RELEASE MEASURES |
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: IF PRODUCT IS UNCONTAMINATED, SCRAPE UP FOR REUSE. OTHERWISE, PLACE IN SUITABLE CONTAINER FOR DISPOSAL. IF CONTAMINATED WITH A HAZARDOUS MATERIAL, FOLLOW SPILL PROCEDURES FOR THAT MATERIAL.

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| SECTION 7 - HANDLING AND STORAGE |
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HANDLING: FOR INDUSTRIAL USE ONLY. AVOID BREATHING DUST. WEAR APPROPRIATE SAFETY EQUIPMENT WHEN HANDLING.

STORAGE: STORE OFF OF THE GROUND IF POSSIBLE TO AVOID CONTAMINATION WITH MOISTURE.

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| SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION |
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ENGINEERING CONTROLS: GENERAL MECHANICAL VENTILATION MAY BE SUFFICIENT TO MINIMIZE VAPOR CONCENTRATIONS. LOCAL EXHAUST MAY BE REQUIRED.

RESPIRATORY PROTECTION: CONSIDERATIONS MUST BE GIVEN TO OTHER COMPONENTS OF THIS SYSTEM. USE RESPIRATORY EQUIPMENT SUITABLE TO THE MOST SEVERE COMPONENT. USE ONLY NIOSH-APPROVED RESPIRATORY EQUIPMENT. THE FOLLOWING SPECIFIES THE TYPE OF EQUIPMENT WHICH MAY PROVIDE RESPIRATORY PROTECTION FOR CRYSTALLINE SILICA:

5 X PEL OR LESS ANY DUST RESPIRATOR.
10 X PEL OR LESS ANY DUST RESPIRATOR, EXCEPT SINGLE-USE
OR QUARTER-MASK RESPIRATOR.
ANY SUPPLIED-AIR RESPIRATOR.
ANY SELF-CONTAINED BREATHING APPARATUS. 50X PEL
OR LESS A HIGH EFFICIENCY PARTICULATE FILTER
RESPIRATOR WITH A FULL FACEPIECE.
ANY SUPPLIED-AIR RESPIRATOR WITH A FULL
FACEPIECE, HELMET, OR HOOD.
ANY SELF-CONTAINED BREATHING APPARATUS WITH
A FULL FACEPIECE.
500 X PEL OR LESS A POWERED AIR-PURIFYING RESPIRATOR WITH A
HIGH EFFICIENCY PARTICULATE FILTER.
A TYPE C SUPPLIED-AIR RESPIRATOR OPERATED
IN PRESSURE-DEMAND OR OTHER POSITIVE
PRESSURE OR CONTINUOUS-FLOW MODE.
GREATER THAN 500 X CONSULT MANUFACTURER.
PEL

SKIN PROTECTION: CLEAN CLOTH GLOVES. IF USING WITH OTHER COMPONENTS, FOLLOW THE RECOMMENDATIONS OF THE MOST SEVERE COMPONENT.

EYE PROTECTION: SAFETY GLASSES RECOMMENDED. IF USED WITH OTHER MORE HAZARDOUS MATERIALS, FOLLOW THE RECOMMENDATIONS OF THE MOST SEVERE COMPONENT.

OTHER PROTECTIVE EQUIPMENT: CLEAN, FULL BODY COVERING TO MINIMIZE SKIN

(Continued on Page 4)

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| SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION |
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CONTACT WITH MATERIAL. AN EYEWASH STATION AND SAFETY SHOWER IS RECOMMENDED NEAR WORK AREA.

HYGIENIC PRACTICES: SMOKING OR EATING IN THE WORK AREA SHOULD NOT BE PERMITTED. WASH THOROUGHLY AFTER HANDLING MATERIAL.

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| SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES |
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| | | | |
|-------------------|--------------|-------------------|-----------------------|
| BOILING RANGE | : 0 - 4046 F | VAPOR DENSITY | : Is heavier than air |
| ODOR | : NONE | ODOR THRESHOLD | : NA |
| APPEARANCE | : SAND | EVAPORATION RATE: | Is slower than Ether |
| SOLUBILITY IN H2O | : INSOLUBLE | | |
| FREEZE POINT | : NA | SPECIFIC GRAVITY: | 2.65 |
| VAPOR PRESSURE | : 0 | pH @ 0.0 % | : NA |
| PHYSICAL STATE | : SOLID | VISCOSITY | : NA |

COEFFICIENT OF WATER/OIL DISTRIBUTION: NA

(See Section 16 for abbreviation legend)

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| SECTION 10 - STABILITY AND REACTIVITY |
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CONDITIONS TO AVOID: NONE.

INCOMPATIBILITY: DISOLVED BY HYDROFLUORIC ACID.

HAZARDOUS DECOMPOSITION PRODUCTS: NOT APPLICABLE.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

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| SECTION 11 - TOXICOLOGICAL PROPERTIES |
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No product or component toxicological information is available.

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| SECTION 12 - ECOLOGICAL INFORMATION |
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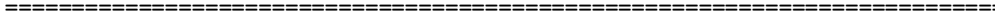
ECOLOGICAL INFORMATION: NOT AN ECOLOGICAL HAZARD.

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| SECTION 13 - DISPOSAL CONSIDERATIONS |
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DISPOSAL METHOD: FOLLOW ALL RELEVANT LOCAL, STATE, AND FEDERAL REGULATIONS. AS MANUFACTURED, IF THIS PRODUCT IS DISCARDED, IT WOULD NOT

BE A HAZARDOUS WASTE AS DEFINED BY RCRA.

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| SECTION 14 - TRANSPORTATION INFORMATION |
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DOT PROPER SHIPPING NAME: CRUSHED STONE

DOT TECHNICAL NAME: NA

DOT HAZARD CLASS: NON-REGULATED

HAZARD SUBCLASS: NA

DOT UN/NA NUMBER: NA

PACKING GROUP: NA

RESP. GUIDE PAGE:

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| SECTION 15 - REGULATORY INFORMATION |
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THE FOLLOWING COMPONENTS ARE NOT SUBJECT TO REPORTING IN SECTION 2:

| ----- CHEMICAL NAME ----- | CAS NUMBER | WT/WT % IS LESS THAN |
|---------------------------|------------|----------------------|
| PIGMENT BLEND | MIXTURE | 1.0 % |

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

| ----- CHEMICAL NAME ----- | CAS NUMBER | WT/WT % IS LESS THAN |
|---|------------|----------------------|
| No SARA Section 313 components exist in this product. | | |

TOXIC SUBSTANCES CONTROL ACT:

The chemical substances in this product are on the TSCA Section 8 Inventory.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

| ----- CHEMICAL NAME ----- | CAS NUMBER |
|------------------------------|------------|
| No information is available. | |

U.S. STATE REGULATIONS: AS FOLLOWS -

(Continued on Page 6)

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| SECTION 15 - REGULATORY INFORMATION |
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NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

| ----- CHEMICAL NAME ----- | CAS NUMBER |
|---------------------------|------------|
| PIGMENT BLEND | MIXTURE |

PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

| ----- CHEMICAL NAME ----- | CAS NUMBER |
|---------------------------|------------|
|---------------------------|------------|

No non-hazardous ingredients are present at greater than 3%.

CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

| ----- CHEMICAL NAME ----- | CAS NUMBER |
|---------------------------|------------|
|---------------------------|------------|

No Proposition 65 chemicals exist in this product.

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

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| SECTION 16 - OTHER INFORMATION |
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HMIS RATINGS - HEALTH: 3* FLAMMABILITY: 0 REACTIVITY: 0

VOLATILE ORGANIC COMPOUNDS (VOCS): 0.00 lbs/gal, 0 grams/ltr

LEGEND: N.A. - Not Applicable, N.E. - Not Established,
N.D. - Not Determined

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The information contained on this MSDS has been compiled from information obtained from raw material suppliers and is believed to be accurate. It is the responsibility of the user to comply with all Federal, State and Local Regulations.
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<END OF MSDS>