
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 Alloy 2000C Component C
IDENTIFICATION NUMBER: PA2000 Filler PREPARE / REVISED: 08/07/06
PRODUCT USE/CLASS : FILLER

SUPPLIER: Dudick, Inc. MANUFACTURER: 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	TIN ANTIMONY OXIDE	68187-54-2	33.0-48.0 %
02	MICA	12001-26-2	28.0-35.0 %
03.....	SILICA CRYSTALLINE-QUARTZ	14808-60-7	26.0-32.0 %

----- EXPOSURE LIMITS -----

ITEM	ACGIH		OSHA		COMPANY	
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	SKIN
01	NO INFO	NO INFO	NO INFO	NO INFO	NO INFO	NO INFO
02	3mg/m3	NE	3mg/m3	NE	NE	NO
03	0.05mg/m3	NE	0.1mg/m3	NE	NE	

(See Section 16 for abbreviation legend)

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SECTION 3 - HAZARDS IDENTIFICATION

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*** EMERGENCY OVERVIEW ***: CAUTION!-CONTAINS MATERIAL WHICH CAN CAUSE CANCER. HARMFUL IF INHALED OR SWALLOWED. MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION. CONTAINS MATERIAL WHICH MAY CAUSE DAMAGE TO THE FOLLOWING ORGANS: LUNGS. WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: MAY CAUSE ITCHING AND REDNESS AFTER CONTACT

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: REPEATED EXPOSURE MAY CAUSE ITCHING AND REDNESS AFTER CONTACT

EFFECTS OF OVEREXPOSURE - INHALATION: HARMFUL IF INHALED. SYMPTOMS INCLUDE COUGHING, WHEEZING, OR SHORTNESS OF BREATH WHEN INHALED.

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| SECTION 3 - HAZARDS IDENTIFICATION |
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EFFECTS OF OVEREXPOSURE - INGESTION: NOT AN INTENDED ROUTE OF EXPOSURE. HARMFUL IF SWALLOWED. SYMPTOMS INCLUDE GASTROINTESTINAL TRACT UPSET AND DIARRHEA..

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). PROLONGED EXPOSURE TO EXCESSIVE QUANTITIES OF TALC CAN RESULT IN SCARRING OF THE LUNGS (TALCOSIS) OR OF THE COVERING OF THE LUNGS (PLEURAL THICKENING). TALCOSIS MAY PRODUCE NO SYMPTOMS OR MAY BE ASSOCIATED WITH NON-SPECIFIC SYMPTOMS. BOTH CONDITIONS CAN BE DETECTED BY CHEST RADIOGRAPH EXAMINATION. BRONCHIAL IRRITATION (BRONCHITIS) MAY CAUSE EXCESSIVE SPUTUM PRODUCTION. 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. THERE ARE SEVERAL STUDIES SUGGESTING THAT EXPOSURE TO RESPIRABLE CRYSTALLINE SILICA MAY INCREASE THE INCIDENCE OF KIDNEY LESIONS.

PRIMARY ROUTE(S) OF ENTRY: INHALATION EYE CONTACT

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| SECTION 4 - FIRST AID MEASURES |
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FIRST AID - EYE CONTACT: CHECK FOR AND REMOVE ANY CONTACT LENSES. FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION.

FIRST AID - SKIN CONTACT: IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH CONTAMINATED CLOTHING BEFORE REUSING. THOROUGHLY CLEAN SHOES BEFORE REUSE. IF SYMPTOMS DEVELOP, SEEK MEDICAL ATTENTION.

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

FIRST AID - INGESTION: DO NOT INGEST. IF THIS MATERIAL IS SWALLOWED, CALL PHYSICIAN IMMEDIATELY. IF SWALLOWED DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE.

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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.

(Continued on Page 3)

AUTOIGNITION TEMPERATURE: NA

EXTINGUISHING MEDIA: FOAM CO2 DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: RISK OF EXPLOSION OF THE PRODUCT IN PRESENCE OF STATIC DISCHARGE. RISK OF EXPLOSION OF THE PRODUCT IN PRESENCE OF MECHANICAL IMPACT.

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

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SMALL SPILL AND LEAK: USE A TOOL TO SCOOP UP SOLID OR ABSORBED MATERIAL AND PLACE INTO APPROPRIATE LABELED WASTE CONTAINER. FINISH CLEANING BY SPREADING WATER ON THE CONTAMINATED SURFACE AND DISPOSE OF ACCORDING TO LOCAL AND REGIONAL REGULATORY REQUIREMENTS.

LARGE SPILL AND LEAK: USE APPROPRIATE TOOLS TO PUT THE SPILLED SOLID IN A WASTE DISPOSAL CONTAINER. FINISH CLEANING BY SPREADING WATER ON THE CONTAMINATED SURFACE AND DISPOSE OF ACCORDING TO LOCAL AND REGIONAL REGULATORY REQUIREMENTS.

SECTION 7 - HANDLI AVOID BREATHING DUST. NG AND STORAGE

HANDLING: FOR INDUSTRIAL USE ONLY. AVOID GENERATING DUST. AVOID BREATHING DUST. USE ONLY WITH ADEQUATE VENTILATION. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. AVOID CONTACT WITH EYES. KEEP CONTAINER CLOSED. WASH THOROUGHLY AFTER HANDLING. WEAR APPROPRIATE SAFETY EQUIPMENT WHEN HANDLING.

STORAGE: KEEP CONTAINER TIGHTLY CLOSED. KEEP CONTAINER IN A COOL WELL-VENTILATED AREA.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO KEEP AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS. IF USER OPERATIONS GENERATE DUST, FUME OR MIST, USE VENTILATION TO KEEP EXPOSURE TO AIRBORNE CONTAMINANTS BELOW THE EXPOSURE LIMIT.

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

(Continued on Page 4)

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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: LAB COAT. 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

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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 : N.A. VAPOR DENSITY : NA
ODOR : NONE ODOR THRESHOLD : NA
APPEARANCE : GRAY FREE FLOWING POWDER
EVAPORATION RATE : NA
SOLUBILITY IN H2O : INSOLUBLE
FREEZE POINT : NA SPECIFIC GRAVITY: 3.4 - 3.6 (WATER-1)
VAPOR PRESSURE : 0 pH @ 0.0 % : 5-8
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: INCOMPATIBLE WITH ACIDS BASES AND OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS: NOT APPLICABLE.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

(Continued on Page 5)

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SECTION 11 - TOXICOLOGICAL PROPERTIES

RTECS NUMBER: 1.TIN ANTIMONY OXIDE NOT AVAILABLE
2.MICA.(MINERAL) VV8760000
3.QUARTZ VV7330000

TOXICITY: NOT AVAILABLE
CHRONIC EFFECTS ON HUMANS: CARCINOGENIC EFFECTS: CLASSIFIED (PROVEN) BY NIOSH
(SILICA CRYSTALLINE QUARTZ) CLASSIFIED A2 (SUSPECTED FOR HUMAN) BY ACGIH2A (PROBABLE
FOR HUMAN BY IARC (SILICA CRYSTALLINE QUARTZ).
MUTAGENIC EFFECTS: NOT AVAILABLE.
TERATOGENIC EFFECTS: NOT AVAILABLE.
DEVELOPMENTAL TOXICITY: NOT AVAILABLE.
REPEATED OR PROLONGED EXPOSURE TO THE SUBSTANCE AT CONCENTRATIONS ABOVE EXPOSURE
LIMITS MAY CAUSE RESPIRATORY DAMAGE. TARGET ORGANS - EYES, LUNGS, RESPIRATORY TRACT,
SKIN.
HARMFUL BY INHALATION AND IF SWALLOWED. MAY CAUSE SKIN, EYE AND RESPIRATORY
IRRITATION.

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY: NOT AVAILABLE.
BODS AND COD: NOT AVAILABLE.
TOXICITY OF THE PRODUCT OF BIODEGRADATION: THE PRODUCT ITSELF AND ITS PRODUCTS
ARE NOT TOXIC.

SECTION 13 - DISPOSAL CONSIDERATIONS

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.

SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: NOT REGULATED
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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U.S. FEDERAL REGULATIONS: AS FOLLOWS -

ISCA 8 (B) INVENTORY: TIN ANTIMONY OXIDE; MICA; CRYSTALLINE QUARTZ.
 SARA 302/304/311-312 EXTREMELY HAZARADOUS SUBSTANCES: NO PRODUCTS WERE FOUND
 SARA 302/304 EMERGENCY PLANNING AND NOTIFICATION: NO PRODUCTS WERE FOUND
 SARA 302/304/311/312 HAZARDOUS CHEMICALS: MICA, SILICA, CRYSTALLINE QUARTZ
 SARA 311/312MSDS DISTRIBUTION - CHEMICAL INVENTORY - HAZARD IDENTIFICATION:
 MICA IMMEDIATE (ACUTE).
 Health Hazard: Silica, Crystalline quartz - immediate (acute) health hazard,
 delayed (chronic) health hazard.
 SARA 313 TOXIC CHEMICAL NOTIFICATION AND RELEASE REPORTING: No products were found.
 Clean Water Act (CWA) 307: No products were found.
 Clean Water Act (CWA) 311: No products were found.
 Clean Air Act (CAA) 112: Accidental release prevention. No products were found.
 Clean Air Act (CAA) 112: Regulated flammable substances. No products were found.
 Clean Air Act (CAA) 112: Regulated toxic substances. No products were found.

WHMIS (Canadian): AS FOLLOWS:

Class D-2A: Material causing other toxic effects (VERY TOXIC). This product
 has been classified in accordance with the hazard criteria of the Controlled
 Product Regulations and the MSDS contains all required information.

CEPA DSL: TIN ANTIMONY OXIDE, MICA, SILICA, CRYSTALLINE QUARTZ.

INTERNATIONAL REGULATIONS:

TIN ANTIMONY OXIDE	289-105-9
MICA	3101276
SILICA, CRYSTALLINE QUARTZ	238-878-4

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SECTION 15 - REGULATORY INFORMATION
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----- CHEMICAL NAME -----	CAS NUMBER 104913
PIGMENT BLEND	MIXTURE

DHCL (ERC) H38/37/38 - IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN
 H42/43 - MAY CAUSE SENSIZATION BY INHALATION AND SKIN CONTACT
 H45 - MAY CAUSE CANCER.
 H65 - MAY CAUSE LUNG DAMAGE IF SWALLOWED.

INTERNATIONAL LISTS:

AUSTRALIA (NICNAS): TIN ANTIMONY OXIDE, MICA, SILICA,
 CHRSTALLINE OXIDE.
 PHILLIPPINES (RA8069): TIN ANTIMONY OXIDE, MICA, SILICA,
 CHRSTALLINE OXIDE.

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STATE REGULATIONS:

PENNSYLVANIA HIK: SILICA, CRYSTALLINE QUARTZ (GENERIC ENVIRONMENTAL HAZARD)
 MASSACHUSETTS HIK: MICA, SILICA, CRYSTALLINE QUARTZ
 NEW JERSEY: MICA, SILICA, CRYSTALLINE QUARTZ
 CALIFORNIA PROP. 65: THIS PRODUCT CONTAINS THE FOLLOWING INGREDIENTS
 FOR WHICH THE STATE OF CALIFORNIA HAS FOUND TO CAUSE CANCER, BIRTH DEFECTS
 OR OTHER REPRODUCTIVE HARM WHICH WOULD REQUIRE A WARNING UNDER THE STATUTE:
 SILICA, CRYSTALLINE QUARTZ

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|               SECTION 16 - OTHER INFORMATION               |
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HMIS RATINGS - HEALTH: 2* FLAMMABILITY: 0 REACTIVITY: 0

PREVIOUS MSDS REVISION DATE:

REASON FOR REVISION:

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>