

I. PRODUCT IDENTIFICATION
MATERIAL SAFETY DATA SHEET

Final Purpose: ACRYLIC POLISHING

Trade Name: POLYCRIL

Generic Name: SILIC DIOXIDE

Chemical Name: SILICA

Manufacturer: MANUFACTURERA DENTAL CONTINENTAL S.A. de C.V.

Country : MEXICO

Importer : MDC Dental LLC

Address : 17800 South main st #114 Gardena , California 90248

Country : UNITED STATES OF AMERICA

Formula: SiO2

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II. PRODUCT INGREDIENTS

INGREDIENT NAME			%	PEL AND TLV
SILICE EARTH HEAT MODIFIED			99.8	SEE BELOW
ORGANIC YELLOW COLOR			0.1	
CALCIUM HIPOCHLORIDE Ca(HClO4)2			0.1	
THIS PRODUCT MAY CONTAIN UP 63% CRYSTALLINE SILICA			< 60	.05 mg/m3 Respirable Cristobalite , Osha
QUARTZ			< 3	.1mg/m3 Respirable Quartz , Osha

III. PHYSICAL DATA

Appearance and Odor: FINE WHITE / YELLOW POWDER. NO ODOR

Boiling Point: NA

Evaporation Rate: (= 1) : NA

Vapor Pressure: NA

Specific Gravity (water = 1) : 2.3

Water Solubility (%): NEGLIGIBLE

Melting Point: ND

Vapor Density (Air = 1): NA

% Volatile by Volume : NIL

IV. FIRE AND EXPLOSION DATA

Flash Point (method): NONFLAMMABLE NFPA Flammable / Combustible Liquid Classification : NA

Flammable Limits: LEL: NA % UEL: % Auto-Ignition Temperature : NA

Extinguishing Media: NA

Unusual Fire Explosion Hazards: NONE

Special Fire-Fighting Procedures: NONE

V. HEALTH HAZARDS A. Summary / Risks

Summary: THIS PRODUCT CONTAINS CRYSTALLINE SILICA (CS), WHICH IS CONSIDERED A HAZARD BY INHALATION IARC HAS CLASSIFIED CS AS PROBABLY CARCINOGENIC FOR HUMANS (2A). THIS CLASSIFICATION IS BASED ON THE FINDINGS OF LABORATORY ANIMAL STUDIES THAT WERE CONSIDERED SUFFICIENT AND DATA FROM EPIDEMIOLOGICAL STUDIES THAT WERE CONSIDERED LIMITED FOR CARCINOGENICITY. CS IS LISTED BY NTP AS A SUBSTANCE WHICH MAY REASONABLY BE ANTICIPATED TO BE A CARCINOGEN. CS IS ALSO A KNOWN CAUSE OF SILICOSIS, A NON CANCEROUS LUNG DISEASE, FURTHER STUDIES ARE BEING CONDUCTED TO CLARIFY POTENTIAL HEALTH EFFECTS OF CS.

Medical conditions which may be aggravated: PRE-EXISTING UPPER RESPIRATORY AND LUNG DISEASE SUCH AS, BUT NOT LIMITED TO BRONCHITIS, EMPHYSEMA AND ASTHMA.

Target Organ (s): LUNGS, EYES.

Acute Health Effects: TRANSISTORY UPPER RESPIRATORY OR EYE IRRITATION.

Chronic Health Effects: CRYSTALLINE SILICA HAS BEEN CLASSIFIED AS PROBABLY CARCINOGENIC FOR HUMANS (2A) BY IARC. CRYSTALLINE SILICA IS ALSO KNOWN CAUSE OF SILICOSIS, AND NON CANCEROUS LUNG DISEASE CAUSED BY EXCESSIVE EXPOSURE TO CRYSTALLINE SILICA.

Primary Entry Route (s): INHALATION DUST, CONTACT WITH EYES.

V. HEALTH HAZARDS B. Sign/Symptoms of overexposure

Inhalation: IRRITATION AND SORENESS IN THROAT & NOSE. IN EXTREME EXPOSURES SOME CONGESTION MAY OCCUR.

Skin Contact: NA

Skin Absorption: NA

Ingestion: NON HAZARDOUS WHEN INGESTED.

Eyes: TEMPORARY IRRITATION OR INFLAMATION.

V. HEALTH HAZARDS C. First Aid /Emergency Procedures

Inhalation: REMOVE TO FRESH AIR, DRINK WATER TO CLEAN THROAT AND BELOW NOSE TO EVACUATE DUST.

Skin Contact: NA

Skin Absorption: NA

Ingestion: NA

Eyes: FLUSH EYES WITH LARGE QUANTITIES OF WATER. IF IRRITATION PERSISTS CONSULT A PHYSICIAN.

VI. REACTIVITY DATA

MATERIAL IS STABLE.

HAZARDOUS POLYMERIZATION CAN NOT OCCUR.

Chemical Incompatibilities: HYCROFLUORIC ACID.

Conditions to Avoid: NONE IN DESIGNED USE.

Hazardous Decomposition Products: NON DETERMINED

VII. SPILL OR LEAK PROCEDURES

Procedures for Spill/Leak: VACCUM CLEAN DUST WITH EQUIPMENT FITTED WITH HEPA FILTER , USE A DUST SUPPRESSANT SUCH AS WATER SWEEPING IS NECESSARY.

Waste Management: WASTE ARE NOT HAZARDOUS AS DEFINED BY RCRA (40 CFR APRT. 261). COMPLY WITH FEDERAL, STATE & LOCAL REGULATIONS . METHOD OF DISPOSAL -LANDFILL. REPORTABLE QUANTITY . N/A.

VIII. SPECIAL PROTECTION INFORMATION

Goggles: GOGGLES OR SAFETY GLASSES WITH SIDESHIELDS ARE RECOMENNDDED

Gloves : NOT NORMALLY REQUIRED

Respirator: <10 x PEL . USE 3M 9900; <100x PEL , USE MSA ULTRA TWIN WITH FILTER; <200x PEL . USE MSA 01-00-06 WITH TYPE C SUPPLIED AIR UNIT (CONT.FLOW MODE); OR EQUIVALENT.

Ventilation: USE SUFFICIENT NATURAL OR MECHANICAL VENTILATION TO KEEP DUST LEVEL BELOW PEL.

Chronic Health Effects: CRYSTALLINE SILICA HAS BEEN CLASSIFIED AS PROBABLY CARCINOGENIC FOR HUMANS (2A) BY IARC.OS . IS LISTED BY NTP AS A SUBSTANCE WHICH MAY REASONABLY BE ANTICIPATED TO BE A CARCINOGEN. CRYSTALLINE SILICA IS ALSO KNOWN CAUSE OF SILICOSIS , NONCANCEROUS LUNG DISEASE CAUSED BY EXCESSIVE EXPOSURE TO CRYSTALLINE SILICA

IX. SPECIAL PRECAUTIONS

Storage Segregation Hazard Classes: NA

ALWAYS SEGREGATE MATERALS BY MAYOR HAZARD CLASSES

Special Work Place Engineerig Controls: ADEQUATE VENTILATION TO KEEP DUST LEVEL BELOW PEL.

When use : Always maintain Polycril mixed with water. Avoid dry and dusty Polycril .

As of the date of preparation of this document , the foreign information is believed to be accurate as is provided in good faith to comply with applicable federal and state law(s). However, no warranty or representation with respoel to such information is intended or given.



9-21-04.