

INITIAL – OPAQUE PASTE
MATERIAL SAFETY DATA SHEET**SECTION 1 - SOURCE/IDENTITY/USE INFORMATION****DISTRIBUTOR**

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COMMON NAME: INITIAL – OPAQUE PASTE**CHEMICAL NAME:** N.A.**PRODUCT USE:** Dental Porcelain System

The following information is provided with regard to the toxicity and hazards the pure components present in this product.

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT	C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Crystalline Silica	14464-46-1	TWA=0.05mg/m ³ (Respirable Dust) (ACGIH)	N.E.	30-40%
Aluminum oxide	1344-28-1	PEL= 5mg/m ³ TLV=10mg/m ³	N.E.	7-13%
Glycerol	56-81-5	TWA=10 mg/m ³ (as mist) (ACGIH)	N.E.	30-50%
Propylene Glycol	57-55-6	TWA=10mg/m ³ Dow (mist)	LD50=20.0-33.7g/kg (oral rat) LC50=N.E.	30-40%

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: 290°C
VAPOR PRESSURE @20°C: 0.1 hPa
VAPOR DENSITY: N.E.
SOLUBILITY IN WATER: not soluble
COEFFICIENT OF OIL/WATER DISTRIBUTION: N.E.

SPECIFIC GRAVITY: N.E.
MELTING POINT: N.E.
EVAPORATION RATE: N.E.
ODOR THRESHOLD: N.E.
APPEARANCE AND ODOR: paste

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: 160°C
FLAMMABLE LIMITS: Lower – 0.9 Vol%

EXTINGUISHING MEDIA: Water fog, carbon dioxide, dry chemical, alcohol-resistant foam.

SPECIAL FIRE FIGHTING PROCEDURES: N.A.
UNUSUAL FIRE AND EXPLOSION HAZARDS: N.A.
HAZARDOUS COMBUSTION PRODUCTS: N.A.

SECTION 5 - REACTIVITY DATA

STABILITY: Stable Unstable
POLYMERIZATION: Will Not Occur Will Occur

CONDITIONS TO AVOID: High heat, high humidity
INCOMPATIBILITY (Materials to Avoid): N.A.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: N.A.

SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION

	YES	NO	NE	NA	NTP	IARC	OSHA	OTHER
MUTAGENIC AFFECTS		X						
TERATOGENIC AFFECTS		X						
REPRODUCTIVE TOXIN		X						
CARCINOGENICITY	X				X	Group 2A		Calif. Prop 65
SENSITIZER		X						

ROUTES OF ENTRY: Inhalation Skin Ingestion

HEALTH HAZARD (Acute and Chronic): Contains crystalline silica, which is considered a hazard by inhalation. IARC has classified it as a probable carcinogenic for humans. Crystalline silica is also a known cause of silicosis, a non-cancerous lung disease.

CALIFORNIA PROP 65 WARNING: This product contains crystalline silica, a chemical known to the State of California to cause cancer.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Irritation and soreness in eyes, throat and nose.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Individuals with pre-existing conditions of the lungs may have increased susceptibility to the toxicity of excessive exposures.

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Supply fresh air. Consult physician if irritation develops.

EYE CONTACT: Rinse eye with water for several minutes. If irritation persists, consult physician.

SKIN CONTACT: Wash with soap and water. Consult physician if irritation develops.

INGESTION: Consult physician if irritation develops.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL: Absorb with inert material, scrape up and discard.

WASTE DISPOSAL METHOD: Dispose of material in accordance with local, state and federal regulations.

STORAGE, HANDLING, AND SPECIAL PRECAUTIONS: Store in cool, dry place.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: In case of exposure to dust over regulatory limits, wear a personal respirator of an approved type.

VENTILATION: Local Exhaust - YES Mechanical: Special: Other:

PROTECTIVE GLOVES: Disposable vinyl gloves recommended.

EYE PROTECTION: Safety glasses recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N.A.

WORK/HYGIENIC PRACTICE: Observe good hygienic practices.

SECTION 9 - PREPARATION INFORMATION

This data is supplied to comply with OSHA Hazard Communication Standard 29 CFR 1910,1200 and W.H.M.I.S. CPR.

DATE: 09 January 2006

REVIEWED: 26 January 2009

N.A. = NOT APPLICABLE
N.E. = NOT ESTABLISHED

The information herein is given in good faith but no warranty expressed or implied is made.

FIRE – 1

TOXICITY – 2

NFPA

REACTIVITY – 1

SPECIAL –