NOGENOL ROOT CANAL SEALER - CATALYST
MATERIAL SAFETY DATA SHEET

SECTION 1

GC AMERICA INC.
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TRADE NAME: NOGENOL ROOT CANAL SEALER - CATALYST
CHEMICAL NAME: N.A.
PRODUCT USE: Sealer for endodontics

The following information is provided with regard to the toxicity and hazards of the pure components present in this portion of the unmixed two-paste system.

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT	C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Vegetable Oil	not listed	TWA=15mg/m³ (total mist) TWA=5mg/m³ (respirable) (ACGIH)	N.E.	10-30
Zinc Oxide	1314-13-2	TLV=10mg/m³ (dust) PEL=5mg/m³ (fume)	LD50=7.9g/kg (oral rat) LC50=N.E.	15-40
Barium Sulfate	7727-43-7	TWA=15mg/m³ (total dust) TWA=5mg/m³ (respirable) (ACGIH)	N.E.	30-60
Bismuth Oxychloride	7787-59-9	N.E.	N.E.	1-5

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: N.E.
VAPOR PRESSURE: N.E.
VAPOR DENSITY: N.E.
SOLUBILITY IN WATER: Insoluble
COEFFICIENT OF OIL/WATER DISTRIBUTION: N.E.
SPECIFIC GRAVITY (H2O = 1): 1.860
MELTING POINT: N.E.
EVAPORATION RATE: N.E.
ODOR THRESHOLD: N.E.
APPEARANCE AND ODOR: White odorless paste

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N.E.
FLAMMABLE LIMITS: N.E.
EXTINGUISHING MEDIA: Dry chemical foam, carbon dioxide
SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective gear including NIOSH approved self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Contains Zinc Oxide, which when heated to very high temperatures decomposes to produce toxic fumes.
HAZARDOUS COMBUSTION PRODUCTS: None

SECTION 5 - REACTIVITY DATA

STABILITY: **Stable** ☒ **Unstable** ☐
POLYMERIZATION: **Will Not Occur** ☒ **Will Occur** ☐
CONDITIONS TO AVOID: High heat
INCOMPATIBILITY (MATERIALS TO AVOID): Avoid chlorinated rubber, magnesium, strong acids and bases.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None

SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION

	YES	NO	N.E.	N.A.	NTP	IARC	OSHA	OTHER
MUTAGENIC AFFECTS		X						
TERATOGENIC AFFECTS		X						
REPRODUCTIVE TOXIN		X						
CARCINOGENICITY		X						
SENSITIZER		X						

ROUTES OF ENTRY: **Inhalation** ☒ **Skin** ☒ **Ingestion** ☒

HEALTH HAZARD (Acute and Chronic): Contact may be slightly irritating to eyes or skin. No cumulative effects known for long-term exposure. Dermatitis can occur in cases where there is prolonged exposure to zinc oxide dust. Barium sulfate inhalation (chronic) will produce a benign pneumoconiosis.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: N.E.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N.E.

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.

INGESTION: Give several glasses of water. If large amounts were swallowed, seek medical attention.

SKIN CONTACT: Wash with soap and water. If irritation persists or develops, seek medical attention.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists or develops, seek medical attention.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL: Scrape up and discard into a suitable container

WASTE DISPOSAL METHOD: Follow all government regulations.

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

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: Use MSHA-NIOSH approved respirators for dusts, mists, and fumes.

VENTILATION: **Local Exhaust:** Recommended **Mechanical:** N.A. **Special:** N.A. **Other:** N.A.

PROTECTIVE GLOVES: Recommended

EYE PROTECTION: Safety glasses recommended

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICE: Avoid contact with clothing; may stain.

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: 28 January 2009

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

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

NFPA

FIRE - 0 **TOXICITY - 1** **REACTIVITY - 0** **SPECIAL -**