



MS137800

**EXAFLEX & EXAMIX – BASE ALL
MATERIAL SAFETY DATA SHEET**

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SECTION 1 - SOURCE/IDENTITY/USE INFORMATION**MANUFACTURER**

GC AMERICA INC

3737 West 127th St.

Alsip, Illinois, 60803

Telephone: 708-597-0900

Hours: Mon - Fri 8:00 am - 5:00 pm C.S.T.

Transportation Emergency No. 800-424-9300

COMMON NAME: EXAFLEX BASE: INJECTION/REGULAR/MONOPHASE/HEAVY BODY
EXAMIX BASE: INJECTION/REGULAR/MONOPHASE/HEAVY BODY - CARTRIDGE
EXAMIX NDS BASE: INJECTION/REGULAR/MONOPHASE/HEAVY BODY - CARTRIDGE
EXAFAS NDS BASE: INJECTION/REGULAR/MONOPHASE/HEAVY BODY - CARTRIDGE

CHEMICAL NAME: N.A.**PRODUCT USE:** Dental Impression Material

The following information is provided with regard to the toxicity and hazards 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	%
Silica-Amorphous	112926-00-8	PEL = 10 0 mg/m ³ TLV/TWA = 10 0 mg/m ³ (as dust) (ACGIH)	N E	40-45
Vinyl Dimethyl Poly - Dimethyl Siloxane	68083-19-2	N E	N E	40-60
Dimethyl- methylhydrogenpolysiloxane	68037-59-2	N E	N E	5

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: 160°C	SPECIFIC GRAVITY: (H ₂ O=1) 1.35g/cm ³
VAPOR PRESSURE: 100/50°C	MELTING POINT: N E
VAPOR DENSITY: 2.56	EVAPORATION RATE: N E
SOLUBILITY IN WATER: Insoluble	ODOR THRESHOLD: N E
COEFFICIENT OF OIL/WATER DISTRIBUTION: N E	APPEARANCE AND ODOR: Odorless paste

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: Not Flammable per ASIM D92 **FLAMMABLE LIMITS:** N.A.
EXTINGUISHING MEDIA: Dry Chemical, Carbon Dioxide, Alcohol Foam
SPECIAL FIRE FIGHTING PROCEDURES: Water is not effective medium. Firefighters should wear self contained breathing apparatus and full protective clothing.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Irritating and/or toxic aerosols or gases may be present.
HAZARDOUS COMBUSTION PRODUCTS: Carbon Dioxide, Carbon Monoxide, Sulfur Hydrogen Sulfide

SECTION 5 - REACTIVITY DATA

STABILITY: Stable ☒ Unstable ☐
POLYMERIZATION: Will Not Occur ☒ Will Occur ☐
CONDITIONS TO AVOID: High temperatures (> 121°C); open flames
INCOMPATIBILITY (Materials to Avoid): Strong acids, bases, oxidizers
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: N E



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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 (as silica dust)					X		
SENSITIZER		X						

ROUTES OF ENTRY: Inhalation ☒ Skin ☒ Ingestion ☒

HEALTH HAZARD (Acute and Chronic): Breathing vapor generated from this product may be irritating to the eyes, nose and throat.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Headaches

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N E.

EMERGENCY FIRST AID PROCEDURES:**INHALATION:** Remove to fresh air if irritation develops**EYES:** Flush with large volumes of water, consult a physician if irritation develops.**SKIN:** Wash thoroughly with soap and water**INGESTION:** Do not induce vomiting. Dilute by drinking several glasses of water. Seek medical attention**SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE**

IN CASE OF RELEASE OR SPILL: Absorb with inert material; transfer to container for disposal

WASTE DISPOSAL METHOD: L and fill per Local and Federal Regulations

STORAGE, HANDLING, AND SPECIAL PRECAUTIONS: Store at normal room temperature in a well ventilated area

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: N.A

VENTILATION: Local Exhaust: Recommended Mechanical: N.E. Special: N.E Other: N.E.

PROTECTIVE GLOVES: Synthetic/Vinyl Gloves

EYE PROTECTION: Safety glasses or goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N.E.

WORK/HYGIENIC PRACTICE: N E.

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: 19 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 - 0

TOXICITY - 1

NFPA
REACTIVITY - 1

SPECIAL -



MS130031

**EXAFLEX & EXAMIX CATALYST - ALL
MATERIAL SAFETY DATA SHEET**

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SECTION 1 - SOURCE/IDENTITY/USE INFORMATION**MANUFACTURER**

GC AMERICA INC

3737 West 127th St.

Alsip, Illinois, 60803

Telephone: 708-597-0900

Hours: Mon - Fri 8:00 am - 5:00 pm C S I

Transportation Emergency No. 800-424-9300

COMMON NAME: EXAFLEX CATALYST: INJECTION/REGULAR/MONOPHASE/HEAVY BODY
EXAMIX CATALYST: INJECTION/REGULAR/MONOPHASE/HEAVY BODY - CARTRIDGE
EXAMIX NDS CATALYST: INJECTION/REGULAR/MONOPHASE/HEAVY BODY - CARTRIDGE
EXAFLEX NDS CATALYST: INJECTION/REGULAR/MONOPHASE/HEAVY BODY - CARTRIDGE

CHEMICAL NAME: N.A.**PRODUCT USE:** Dental Impression Material

The following information is provided with regard to the toxicity and hazards 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	%
Silica-Amorphous	112926-00-8	PEL = 10.0 mg/m ³ ILV/TWA = 10.0 mg/m ³ (as dust) (ACGIH)	N.E.	40-50
Vinyl Dimethyl Poly -Dimethyl Siloxane	68083-19-2	N.E.	N.E.	45-60

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: 160°C
VAPOR PRESSURE: 100/50°C
VAPOR DENSITY: 2.56
SOLUBILITY IN WATER: Insoluble
COEFFICIENT OF OIL/WATER DISTRIBUTION: N.E.

SPECIFIC GRAVITY: (H₂O=1) 1.35g/cm³
MELTING POINT: N.E.
EVAPORATION RATE: N.E.
ODOR THRESHOLD: N.E.
APPEARANCE AND ODOR: Odorless paste

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: Not Flammable per ASTM D92
FLAMMABLE LIMITS: N.A.
EXTINGUISHING MEDIA: Dry Chemical, Carbon Dioxide, Alcohol Foam
SPECIAL FIRE FIGHTING PROCEDURES: Water is not effective medium. Firefighters should wear self-contained breathing apparatus and full protective clothing.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Irritating and/or toxic aerosols or gases may be present.
HAZARDOUS COMBUSTION PRODUCTS: Carbon Dioxide, Carbon Monoxide, Sulfur Hydrogen Sulfide

SECTION 5 - REACTIVITY DATA

STABILITY: Stable ☒ Unstable ☐
POLYMERIZATION: Will Not Occur ☒ Will Occur ☐

CONDITIONS TO AVOID: High temperatures (> 121°C); open flames**INCOMPATIBILITY (Materials to Avoid):** Strong acids, bases, oxidizers.**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** N.E.**SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION**



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EXAFLEX & EXAMIX CATALYST - ALL

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	YES	NO	NE	NA	NTP	IARC	OSHA	OTHER
MUTAGENIC AFFECTS		X						
TERATOGENIC AFFECTS		X						
REPRODUCTIVE TOXIN		X						
CARCINOGENICITY	X (as Silica dust)					X		
SENSITIZER		X						

ROUTES OF ENTRY: Inhalation ☒ Skin ☒ Ingestion ☒

HEALTH HAZARD: (Acute and Chronic): Breathing vapor generated from this product may be irritating to the eyes, nose and throat.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Headaches

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N E

EMERGENCY FIRST AID PROCEDURES:**INHALATION:** Remove to fresh air if irritation develops**EYES:** Flush with large volumes of water, consult a physician if irritation develops.**SKIN:** Wash thoroughly with soap and water**INGESTION:** Do not induce vomiting. Dilute by drinking several glasses of water. Seek medical attention**SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE****IN CASE OF RELEASE OR SPILL:** Absorb with inert material; transfer to container for disposal**WASTE DISPOSAL METHOD:** Landfill per local and Federal Regulations**STORAGE, HANDLING, AND SPECIAL PRECAUTIONS:** Store at normal room temperature in a well ventilated area**SECTION 8 - CONTROL MEASURES****RESPIRATORY PROTECTION:** N.A.**VENTILATION:** Local Exhaust: Recommended Mechanical: N.E. Special: N.E. Other: N.E.**PROTECTIVE GLOVES:** Synthetic/Vinyl Gloves**EYE PROTECTION:** Safety glasses or goggles**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** N.E.**WORK/HYGIENIC PRACTICE:** N.E.**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:** 19 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 - 0****TOXICITY - 1****NFPA
REACTIVITY - 1****SPECIAL -**



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EXAFLEX/EXAMIX RETARDER
MATERIAL SAFETY DATA SHEET

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SECTION 1 - SOURCE/IDENTITY/USE INFORMATION**MANUFACTURER**

GC AMERICA INC.

3737 West 127th St.

Alsip, Illinois, 60803

Telephone: 708-597-0900

Hours: Mon - Fri. 8:00 am - 5:00 pm C S T.

Transportation Emergency Telephone No. 800-424-9300

COMMON NAME: EXAFLEX RETARDER
EXAMIX RETARDER**CHEMICAL NAME:** N A.**PRODUCT USE:** To control setting reactions in polysiloxane dental impression materials.*The following information is provided with regard to the toxicity and hazards of the pure components present in this material.***SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

COMPONENT	C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Silicone Oil		N.E.	N.E.	>90

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT:	N.E.	SPECIFIC GRAVITY (H₂O = 1):	0.96
VAPOR PRESSURE:	<10 (20°C)	MELTING POINT:	N A
VAPOR DENSITY:	N A.	EVAPORATION RATE:	N A.
SOLUBILITY IN WATER:	Negligible	ODOR THRESHOLD:	N E
COEFFICIENT OF OIL/WATER DISTRIBUTION:	N E	APPEARANCE AND ODOR:	Light blue liquid, odorless

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: >163°C **FLAMMABLE LIMITS:** N A.

EXTINGUISHING MEDIA: Water spray, carbon dioxide, or dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: None specified

UNUSUAL FIRE AND EXPLOSION HAZARDS: Irritating fumes may develop when product is heated.

HAZARDOUS COMBUSTION PRODUCTS: N.E.

SECTION 5 - REACTIVITY DATA

STABILITY: Stable ☒ Unstable ☐

POLYMERIZATION: Will Not Occur ☒ Will Occur ☐

CONDITIONS TO AVOID: N E.**INCOMPATIBILITY (Materials to Avoid):** Oxidizers**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** N E.**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						



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EXAFLEX/EXAMIX RETARDER

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SECTION 6 - HEALTH HAZARD DATA AND FIRST AID INFORMATION - continuedROUTES OF ENTRY: Inhalation ☒ Skin ☒ Ingestion ☒

HEALTH HAZARD: (Acute and Chronic): None

SIGNS AND SYMPTOMS OF OVEREXPOSURE: N.A.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N.E

EYE CONTACT: Flush eyes with water for 15 minutes. Seek medical attention if irritation occurs.**SKIN CONTACT:** Flush skin with water and wash with water and soap. Seek medical attention if irritation occurs.**INGESTION:** If swallowed, give several glasses of water. Do not induce vomiting. If vomiting does occur, give fluids again. Seek medical attention to determine if vomiting or evacuation of stomach is necessary.**INHALATION:** If inhaled, remove to fresh air. Seek medical attention if respiratory irritation occurs or breathing becomes difficult.**SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE****IN CASE OF RELEASE OR SPILL:** Clean up spills thoroughly as residue is slippery.**WASTE DISPOSAL METHOD:** Do not discard into sewers or water run off areas. Scrape up and discard to land fill in compliance with Federal, state, and local regulation.**STORAGE, HANDLING, AND SPECIAL PRECAUTIONS:** Store in a cool, dry, well-ventilated area.**SECTION 8 - CONTROL MEASURES****RESPIRATORY PROTECTION:** With adequate ventilation - none.**VENTILATION:** Local Exhaust: Recommended Mechanical: General Special: N.E Other: N.E**PROTECTIVE GLOVES:** Minimize exposure by the use of resistant gloves**EYE PROTECTION:** Goggles or face shield**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Where local exhaust is not adequate use NIOSH approved organic vapor respirators.**WORK/HYGIENIC PRACTICE:** Follow good industrial hygiene procedures**SECTION 9 - PREPARATION INFORMATION***This data is supplied to comply with OSHA Hazard Communication Standard 29 CFR 1910.1200 and WHMIS CPR***DATE:** 09 January 2006**REVIEWED:** 19 January 2009

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FIRE - 1

TOXICITY - 0

NFPA
REACTIVITY - 1

SPECIAL -