



**SECTION V - HEALTH HAZARD DATA**

**ROUTE(S) OF ENTRY -**    **INHALATION:** YES – MAY IRRITATE NOSE, THROAT.  
                                  **SKIN:** POSSIBLE – MAY BE SLIGHTLY TOXIC WITH POSSIBLE ALLERGIC REACTION.  
                                  **INGESTION:** YES – HARMFUL IF SWALLOWED, NERVOUS SYSTEM DEPRESSANT.

**HEALTH HAZARD (ACUTE OR CHRONIC):** **ACUTE:** MINIMAL HEALTH HAZARD UNDER NORMAL CONDITIONS OF USE. MAY BE IRRITATING. **CHRONIC:** PROLONGED EXPOSURE TO LARGE QUANTITIES OF ACETONE PRESENTS A SIGNIFICANT HEALTH HAZARD. MAY CAUSE MUCOUS MEMBRANE IRRITATION, FATIGUE, WEAKNESS, HEADACHE, HEMATOLOGICAL AND CENTRAL NERVOUS SYSTEM CHANGES, CONJUNCTIVITIS.

**CARCINOGENICITY:** ND      **NTP?**      **IARC MONOGRAPHS?**      **OSHA REGULATED?**

**SIGNS OR SYMPTOMS OF EXPOSURE:** EXPOSURE TO LARGE QUANTITIES MAY CAUSE HEADACHE, FATIGUE, IRRITATION TO EYES, NOSE, THROAT. MAY CAUSE SKIN TO BECOME RED AND DRY.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** PERSONS WITH CHRONIC RESPIRATORY OR SKIN DISEASE ARE AT INCREASED RISK.

**EMERGENCY AND FIRST AID PROCEDURES:**

- INHALATION:** REMOVE TO FRESH AIR. GIVE OXYGEN FOR DIFFICULT BREATHING. GET MEDICAL CARE.
- EYES:** FLUSH WITH RUNNING WATER FOR 15+ MINUTES. GET MEDICAL CARE FOR IRRITATION.
- SKIN:** WASH AFFECTED AREA WITH SOAP AND WATER. GET MEDICAL CARE FOR IRRITATION.
- INGESTION:** FOR LARGE QUANTITIES: DILUTE BY GIVING WATER TO DRINK TO CONSCIOUS PERSON. INDUCE VOMITING WITH SYRUP OF IPECAC. GIVE ACTIVATED CHARCOAL. OBTAIN MEDICAL ATTENTION.

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**SECTION VI - REACTIVITY DATA**

**STABILITY:**    **UNSTABLE:**      **STABLE:** X  
**CONDITIONS TO AVOID:** HEAT, SPARKS AND FLAME, UNGROUNDED METAL CONTAINERS, CONTAMINATION. USE PROMPTLY.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** ACIDS, BASES, AMINES, BROMINES, CHLOROFORM, HYDROGEN PEROXIDE, STRONG OXIDIZERS, PLASTICS, RAYON, KETONES AND ACETALDEHYDE  
**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** THERMAL DECOMPOSITION PRODUCTS: TOXIC OXIDES OF CARBON.  
**HAZARDOUS POLYMERIZATION:**    **MAY OCCUR:** X      **WILL NOT OCCUR:**  
**CONDITIONS TO AVOID:** HEAT, SPARKS AND FLAME, CONTAMINATION, STORAGE FOR PROLONGED PERIODS.

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**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** FOR SMALL QUANTITIES: WEAR GLOVES AND SPLASH GOGGLES. ABSORB SPILL WITH INERT MATERIAL, SUCH AS PAPER TOWELS. PLACE ALL ABSORBENT MATERIAL IN CLOSED CONTAINER AWAY FROM HEAT, SPARKS, AND FLAME. WASH AREA OF SPILL WITH SOAP AND WATER.

**WASTE DISPOSAL METHOD:** DISPOSE OF IN ACCORDANCE WITH THE FEDERAL, STATE AND LOCAL REGULATIONS.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** STORE TIGHTLY CLOSED AT ROOM TEMPERATURE IN DRY AREA, AWAY FROM INCOMPATIBLE MATERIALS. AVOID CROSS-CONTAMINATION, HEAT, SPARKS, FLAMES. GROUND METAL CONTAINERS. EMPTY CONTAINERS MAY RETAIN RESIDUAL PRODUCT AND SHOULD BE HANDLED APPROPRIATELY.

**OTHER PRECAUTIONS:** AVOID CONTACT WITH EYES, SKIN, CLOTHING. AVOID BREATHING VAPORS. WASH HANDS.

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**SECTION VIII - CONTROL MEASURES**

**RESPIRATORY PROTECTION:** NONE REQUIRED UNDER NORMAL CONDITIONS OF USE

**VENTILATION - LOCAL EXHAUST:**

**SPECIAL:**

**MECHANICAL (GENERAL):**

**OTHER:**

**PROTECTIVE GLOVES:** RECOMMENDED

**EYE PROTECTION:** RECOMMENDED

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** NONE

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**SECTION X - ADDITIONAL INFORMATION**

**INFORMATION HEREIN IS GIVEN IN GOOD FAITH AS AUTHORATIVE AND VALID. HOWEVER, NO WARRANTY, EXPRESSED OR IMPLIED CAN BE MADE, AND THE MANUFACTURER ASSUMES NO LIABILITY RESULTING FROM ITS USE.**

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# MATERIAL SAFETY DATA SHEET

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## SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** DUAL CURE DENTIN BOND CATALYST

**MANUFACTURER:** CONFI-DENTAL PRODUCTS CO.

**ADDRESS:** 416 SOUTH TAYLOR AVENUE  
LOUISVILLE, COLORADO 80027

**FOR INFORMATION CALL:** (303) 665-7535      **CHEMTREC:** (800) 424-9300

**DATE PREPARED:** October 24, 2007

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## SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENT	OSHA PEL	ACGIH TLV	%(OPTIONAL)
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NTG-GMA			
ACETONE			

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## SECTION III - PHYSICAL DATA

**BOILING POINT:** 56.5 °C

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 0.788

**VAPOR PRESSURE (mm Hg):** 180

**MELTING POINT:** -94 °C

**VAPOR DENSITY (AIR=1):** 2.0

**EVAPORATION RATE:** 6  
(BUTYL ACETATE = 1)

**SOLUBILITY IN WATER:** VERY SOLUBLE

**APPEARANCE AND ODOR:** PALE YELLOW TO AMBER THIN LIQUID WITH CHARACTERISTIC, SWEET MINT-LIKE ACETONE ODOR.

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## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** -18 °C

**FLAMMABLE LIMIT**

**LEL:** 2.5 %

**UEL:** 12.8 %

**EXTINGUISHING MEDIA:** USE DRY CHEMICAL FOAM, CO<sub>2</sub>, ALCOHOL RESISTANT FOAM, WATER SPRAY

**SPECIAL FIRE FIGHTING PROCEDURES:** USE WATER TO KEEP FIRE EXPOSED CONTAINERS COOL. FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** HEAT, AGING OR CONTAMINATION CAN LEAD TO EXPLOSION OR POLYMERIZATION.

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