

MATERIAL SAFETY DATA SHEET

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SECTION 1: PRODUCT AND EMERGENCY CONTACT INFORMATION

MATERIAL NAME: LUMINESCENCE PLUS™ - DENTAL POLISHING PASTE

PRODUCT CODES: LUMINESCENCE PLUS™ – CFMPSSG5005

EMERGENCY CONTACTS: NORTH AMERICA (24 HRS) – CHEMTREC 1 (800) 424-9300
OUTSIDE NORTH AMERICA (COLLECT) – 1 (703) 527-3887

NON – EMERGENCY CONTACT: 1 (740) 548-4100 (8:00 AM – 5:00 PM EST)

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

| | | REG. | | | ACGIH | |
|-----------------------|--------------------|------------|--------------|-----------------|-------------|-------------------|
| <u>CHEMICAL NAME</u> | <u>COMMON NAME</u> | <u>Y/N</u> | <u>CAS #</u> | <u>OSHA PEL</u> | <u>TLV</u> | <u>CARCINOGEN</u> |
| GLYCEROL | GLYCERIN | N | 56-81-5 | N/A | N/A | N/CLASS 4 |
| INDUSTRIAL DIAMOND | N/A | N | 7782-40-3 | N/A | 10.0 (PNOC) | N/CLASS 4 |
| FOOD GRADE COMPONENTS | N/A | N | N/A | N/A | N/A | N/CLASS 4 |
| POTASSIUM NITRATE | N/A | N | 7757-79-1 | N/A | N/A | N/CLASS 4 |

THE COMPOSITION OF THESE COMPOUNDS IS PROPRIETARY.

SECTION 3: HAZARDS IDENTIFICATION

ACUTE HEALTH EFFECTS: POSSIBLE IRRITATION OF THE EYES FROM ABRASION OF THE DIAMOND IF EXPOSED TO THE EYES. THERE ARE NO OTHER KNOWN ACUTE HEALTH EFFECTS FROM NORMAL USE AND EXPOSURE.

CHRONIC HEALTH EFFECTS:

THERE ARE NO CHRONIC HEALTH EFFECTS FROM NORMAL USE AND EXPOSURE.

CARCINOGENIC EFFECTS – CLASSIFIED AS 4 (NOT CLASSIFIABLE FOR HUMAN OR ANIMAL)

MUTAGENIC EFFECTS – NONE

TETRAOGENIC EFFECTS – NONE

DEVELOPMENTAL TOXICITY – NONE

SECTION 4: FIRST AID MEASURES:

EYE CONTACT: FLUSH THE EYES FOR 15 MINUTES AND SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. WEAR EYE PROTECTION DURING USE OF THIS PRODUCT.

SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER.

INHALATION CONTACT: USE OF A RESPIRATOR WILL PREVENT ANY ACCIDENTAL INHALATION OF PRODUCT.

INGESTION CONTACT: THERE ARE NO KNOWN EFFECTS FROM INGESTION

SECTION 5: FIRE, EXPLOSION DATA AND MEASURES

FLAMMABILITY: NON - FLAMMABLE

AUTO-IGNITION: NOT APPLICABLE

FLASH POINT: NOT APPLICABLE

FLAMMABLE LIMITS: LEL: NOT APPLICABLE **UEL:** NOT APPLICABLE

PRODUCTS OF COMBUSTION: STANDARD PRODUCTS OF COMBUSTION I.E. CRBON MONOXIDE, CARBON DIOXIDE, ETC. FROM SURROUNDING FIRE

EXTINGUISHING MEDIA: IN PRESENCE OF FIRE USE WATER

SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS:

ALWAYS WEAR SELF-CONTAINED BREATHING APPARATUS ON POSITIVE PRESSURE. USE WATER TO KEEP MATERIAL IN OR NEAR FIRE COOL. AVOID ANY BODILY CONTACT WITH SUBSTANCE OR WATER FROM FIRE FIGHTING. WATER FROM FIRE FIGHTING SHOULD BE CONTAINED AND DISPOSED PER INSTRUCTIONS IN **SECTION 12**.

SECTION 6: ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR RELEASE: ALWAYS WEAR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT PER SECTION 8. PROVIDE ADEQUATE VENTILATION TO THE AREA OF THE SPILL. AVOID RAISING DUST DURING THE CLEAN UP PROCESS. USE APPROPRIATE TOOLS TO CLEAN UP AS MUCH OF THE SPILL AS POSSIBLE AND PLACE SOLIDS IN A WATE DISPOSAL CONTAINER. COMPLETE THE CLEAN UP BY MOPPING UP THE REMAINING DUST AND DEBRIS. COLLECT ALL MOP WATER AND DRY MATERIAL AND DISPOSE OF IN ACCORDANCE TO FEDERAL, STATE OR LOCAL GUIDELINES FOR THIS MATERIAL.

SECTION 7: HANDLING AND STORAGE

HANDLING: USE NORMAL PRECAUTIONS TO PREVENT SPILLING AND CONTAMINATION OF SURROUNDING AREA. GLYCEROL COULD BE VERY SLIPPERY ON SURFACES AND FLOORS.

STORAGE: STORE IN COOL DRY LOCATION

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: USE UNIVERSAL PROTECTION FOR WORKING WITH BODILY FLUIDS.

PERSONAL PROTECTIVE EQUIPMENT (PPE) DURING POLISHING PROCESS

EYE PROTECTION: SAFETY GLASSES WITH SIDE SHIELDS ARE RECOMMENDED.

RESPIRATORY PROTECTION: DUST RESPIRATOR DURING THE MIXING PROCESS TO PREVENT INHALATION OF MISTS

SKIN PROTECTION: APPROPRIATE GLOVES

PERSONAL PROTECTIVE EQUIPMENT IN CASE OF ACCIDENTAL SPILL

EYE PROTECTION: DUST AND MIST PROTECTIVE GOGGLES OR FACE SHIELD

RESPIRATORY PROTECTION: NO SPECIAL RESPIRATORY PROTECTION IS NEEDED FOR CLEAN UP OF SPILL.

SKIN PROTECTION: GLOVES.

IN CASE OF SPILL OBSERVE THE ACGIH TLV VALUES WHEN SELECTING THE APPROPRIATE PPE.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: LUMINESCENCE PLUS™ – GRAY

PHYSICAL STATE: PASTE

ODOR: ODORLESS

SOLUBILITY: COMPLETELY SOLUBLE IN WATER

PH: NOT APPLICABLE

BOILING POINT: NOT APPLICABLE

VISCOSITY: NOT APPLICABLE

FLASH POINT: NOT APPLICABLE

AUTO IGNITION: NOT APPLICABLE

SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE UNDER NORMAL CONDITIONS

CONDITIONS TO AVOID: NONE KNOWN

MATERIALS TO AVOID: NONE KNOWN

HAZARDOUS DECOMPOSITION PRODUCTS: NOT APPLICABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY: INHALATION, INGESTION

TOXICITY: NON-TOXIC

SPECIAL REMARKS ON ACUTE EFFECTS ON HUMANS AS PASTE: NONE KNOWN

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: NON-TOXIC
BOD AND COD: NOT AVAILABLE

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSE OF UNUSED POWDER ACCORDING TO FEDERAL, STATE OR LOCAL LAWS. EMPTY CONTAINERS MAY CONTAIN TRACE AMOUNTS OF PASTE AND SHOULD BE TREATED AS WASTE.

SECTION 14: TRANSPORT INFORMATION

THIS PRODUCT IS NOT A DOT CONTROLLED MATERIAL.

SECTION 15: REGULATORY INFORMATION

29CFR 1910.1200 HAZ COM: DIAMOND CRYSTALS MAY IRRITATE EYES

SARA 313: NOT REPORTABLE

HMIS (USA)

HEALTH HAZARD: 0

FIRE HAZARD: 0

REACTIVITY: 0

PPE: E

NFPA (USA)

HEALTH HAZARD: 0

FIRE HAZARD: 0

REACTIVITY: 0

PPE: GLOVES, LAB COAT, BOOTS, GLASSES

SECTION 16: OTHER INFORMATION

LUMINESCENCE PLUS™ - DENTAL POLISHING PASTE ARE SOLD FOR PROFESSIONAL USE ONLY.

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD PARTY PERSONS PROXIMATELY CAUSED BY THE MATERIAL IF REASONABLE SAFETY PROCEDURES ARE NOT ADHERED TO AS STIPULATED IN THE MATERIAL SAFETY DATA SHEET.

ADDITIONALLY, VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD PARTY PERSONS PROXIMATELY CAUSED BY ABNORMAL USE OF THIS MATERIAL EVEN IF REASONABLE SAFETY PROCEDURES ARE FOLLOWED.

FUTHERMORE, VENDEE ASSUMES THE RISK IN USE OF THIS MATERIAL.

| <u>CREATION DATE</u> | <u>CREATED BY</u> | |
|----------------------|-------------------|----------------------------|
| 06/21/2011 | D. ANDERSON | - |
| <u>REVISION DATE</u> | <u>REVISED BY</u> | <u>REASON FOR REVISION</u> |
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