

MATERIAL SAFETY DATA SHEET

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HAZARD RATINGS

	HEALTH	0	MINIMAL
	FLAMMABILITY	1	SLIGHT
	REACTIVITY	2	MODERATE
	SPECIAL NOTICE	3	SERIOUS
		4	EXTREME

(ACCORDING TO THE NFPA TABLES)

SECTION I – IDENTIFICATION OF SUBSTANCE

PRODUCT NAME: DUAL CURE RESIN CEMENT

DESCRIPTION OF PRODUCT: DUAL CURE RESIN CEMENT, FOR DENTAL PROFESSIONALS ONLY.

SECTION II – COMPOSITION /DATA ON COMPONENTS

INGREDIENTS	%	CAS.NO.
BASE:		
SILANE TRATED QUARTZ	> 60	-----
Bis-GMA (BISPHENOL A FREE)	10-20	1565-94-2
TRIETHYLENEGLYCOL DIMETHACRYLATE (TEGDMA)	1-10	109-16-0
SILANE TREATED SILICA	> 2	68611-44-9
PHOTOINITIATOR	< 1	10373-78-1
CATALYST:		
SILANE TRATED QUARTZ	> 60	-----
Bis-GMA (BISPHENOL A FREE)	10-20	1565-94-2
TRIETHYLENEGLYCOL DIMETHACRYLATE (TEGDMA)	1-10	109-16-0
SILANE TREATED SILICA	> 2	112945-52-5 7631-86-9
BENZOYL PEROXIDE	< 1	94-36-0

(NO DANGEROUS COMPONENTS)

SECTION III – HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: MATERIAL MAY BE IRRITATING TO EYES AND SKIN. NO SIGNIFICANT HAZARDS FOR EMERGENCY RESPONSES ARE KNOWN.

HAZARD DESCRIPTION	SLIGHT IRRITATING TO EYES AND SKIN. MAY CAUSE SENSITIZATION BY SKIN CONTACT
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SECTION IV – FIRST AID MEASURES

SKIN CONTACT	RINSE WITH WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
EYE CONTACT	FLUSH EYES WITH LARGE AMOUNTS OF WATER. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION.

INHALATION	REMOVE PERSON TO FRESH AIR, IF SYMPTOMS DEVELOP, SEEK MEDICAL ATTENTION
INGESTION	DO NOT INDUCE VOMITING UNLESS INSTRUCTED TO DO SO BY MEDICAL PERSONNEL. GIVE VICTIM TWO GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION.

SECTION V – FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	DRY CHEMICAL POWDER, FOAM OR CARBON DIOXIDE.
EXTINGUISHING MEDIA TO AVOID:	NOT KNOWN
FLASPOINT METHOD:	NOT APPLICABLE
PROTECTION AND PROCEDURES FOR FIREFIGHTERS:	WEAR FULL PROTECTIVE EQUIPMENT AND A SELF-CONTAINED BREATHING APPARATUS.

SECTION VI – ACCIDENTAL RELEASE MEASURES

SPILLS/LEAKS	CLEAN UP MECHANICALLY. WASH THE AREA WITH SOAP AND WATER. DISPOSE OF ACCORDING TO LOCAL AND NATIONAL REGULATIONS.
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SECTION VII – HANDLING AND STORAGE

HANDLING PRACTICES AND WARNINGS:	ONLY ADEQUATELY TRAINED PERSONNEL SHOULD HANDLE THIS PRODUCT. THIS PRODUCT IS INTENDED FOR USE IN DENTISTRY ONLY.
STORAGE PRACTICES AND WARNINGS:	STORE ONLY IN THE ORIGINAL PACKAGE. KEEP PACKAGE TIGHTLY SEALED. STORE IN A DRY AREA. STORE AWAY FROM FOOD AND BEVERAGES. PROTECT FROM EXCESSIVE HEAT AND COLD AND DIRECT SUNLIGHT.

SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS	THE PRODUCT DOES NOT CONTAIN ANY RELEVANT QUANTITIES OF MATERIALS WITH CRITICAL VALUES THAT HAVE TO BE MONITORED AT THE WORKPLACE.
EYE /FACE	SAFETY GLASSES (PATIENT).
SKIN	GLOVES.
INHALATION	NOT REQUIRED
BODY PROTECTION	PROTECTIVE WORK CLOTHING.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	SOFT PASTE	ODOR:	SLIGHT ACRYLIC ODOR
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COLOR:	BASE: TOOTH COLORED CATALYST: WHITE	SPECIFIC GRAVITY AT 20°C:	N/A
MELTING POINT:	N/A	VAPOR PRESSURE (mm Hg):	N/A
BOILING POINT:	N/A	SOLUBILITY IN / MISCIBILITY WITH WATER:	INSOLUBLE
FLASH POINT:	N/A	pH:	N/A

SECTION X- STABILITY AND REACTIVITY

STABILITY:	THE PRODUCT IS STABLE UNDER NORMAL HANDLING AND STORAGE CONDITIONS.
INCOMPATIBILITY (MATERIALS TO AVOID):	NONE
HAZARDOUS PRODUCTS PRODUCED DURING DECOMPOSITION:	CARBON MONOXIDE AND DIOXIDE, LOW MOLECULAR WEIGHT HYDROCARBONS.
CONDITIONS TO AVOID	PROTECT FROM EXPOSURE TO THE LIGHT. KEEP AWAY FROM HEAT AND DIRECT SUNLIGHT.

SECTION XI – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	ON THE SKIN: MAY IRRITANT TO SKIN ON THE EYE: IRRITATING EFFECT. SENSITIZATION: POSSIBLE THROUGH SKIN CONTACT. ASSESSMENT BASED ON ACTUAL TESTING OR ON DATA FOR SIMILAR MATERIALS
FURTHER INFORMATION	NO HAZARD ANTICIPATED FROM SWALLOWING SMALL AMOUNTS INCIDENTALLY TO NORMAL HANDLING.

SECTION XII – ECOLOGICAL INFORMATION

NO ECOLOGICAL PROBLEMS TO BE ANTICIPATED IF PROPERLY HANDLED AND USED.

SECTION XIII – DISPONSAL CONSIDERATION

REGULATIONS: MUST NOT BE DISPOSED OF TOGETHER WITH HOUSEHOLD GARBAGE. TAKE TO A SPECIAL WASTE INCINERATION PLANT, IN LINE WITH LOCAL REGULATIONS.

SECTION XIV – TRANSPORT INFORMATION

(ACCORDING OF CODE OF FEDERAL REGULATION TO TRANSPORTATION N°49)

SECTION XV – REGULATORY INFORMATION

THIS PRODUCT IS A MEDICAL DEVICE AND NOT SUBJECT TO CHEMICAL NOTIFICATION REQUIREMENTS.
REGULATED FOR SHIPPING: NOT REGULATED

SECTION XVI – OTHER INFORMATION

THE ABOVE MENTIONED DATA CORRESPONDS TO OUR PRESENT STATE OF KNOWLEDGE AND EXPERIENCE.
THE SAFETY DATA SHEET SERVES AS DESCRIPTION OF THE PRODUCTS IN REGARD TO NECESSARY SAFETY

MEASURES. THE INDICATIONS DO NOT HAVE THE MEANING OF GUARANTEES ON PROPERTIES.

* N/E: NOT ESTABLISHED, N/A: NOT AVAILABLE, N/R: NOT REGULATED BY IARC