

MATERIAL SAFETY DATA SHEET

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HAZARD RATINGS

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

SECTION I – IDENTIFICATION OF SUBSTANCE

PRODUCT NAME: FLOWABLE COMPOSITE , BULK FILL TYPE

DESCRIPTION OF PRODUCT: FLOWABLE COMPOSITE, FOR DENTAL PROFESSIONALS ONLY.

SECTION II – COMPOSITION /DATA ON COMPONENTS

| INGREDIENTS | % | CAS.NO. |
|--------------------------------------------|-------|------------|
| INORGANIC FILLER | 60-70 | ----- |
| Bis-GMA (BISPHENOL A FREE) | 10-20 | 1565-94-2 |
| DIURETHANE DIMETHACRYLATE (UDMA) | 10-20 | 72869-86-4 |
| TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA) | 1-5 | 109-16-0 |
| PHOTOINITIATOR | < 1 | 10373-78-1 |
| SODIUM FLUORIDE | < 2 | ----- |

(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.

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| HAZARD DESCRIPTION | MILD IRRITATION TO EYES AND SKIN. MAY CAUSE SENSITIZATION FOR SKIN. |
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SECTION IV – FIRST AID MEASURES

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| SKIN CONTACT | WASH THOROUGHLY WITH WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. |
| EYE CONTACT | RINSE OPENED EYE FOR SEVERAL MINUTES UNDER RUNNING WATER. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. |
| INHALATION | ALLOW THE VICTIM TO REST IN A WELL VENTILATED AREA. IF IRRITATION PERSISTS , SEEK MEDICAL ATTENTION |
| INGESTION | DO NOT INDUCE VOMITING UNLESS DIRECTED PERSONAL PHYSICIAN. 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

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| EXTINGUISHING MEDIA | WATER FOG, CARBON DIOXIDE, FOAM, DRY CHEMICALS DUST. |
| EXTINGUISHING MEDIA TO AVOID: | NONE KNOWN |
| FLASPOINT METHOD: | NOT APPLICABLE |
| PROTECTION AND PROCEDURES FOR FIREFIGHTERS: | FIREFIGHTERS SHOULD WEAR SELF-CONTAINED RESPIRATORY PROTECTIVE DEVICES. |

SECTION VI – ACCIDENTAL RELEASE MEASURES

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| SPIILLS/LEAKS | CLEAN UP MECHANICALLY. CLOSED AND PLACE INTO CONTAINERS. WASH THE AREA WITH SOAP AND WATER. DISPOSE OF ACCORDING TO LOCAL AND NATIONAL REGULATIONS. |
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SECTION VII – HANDLING AND STORAGE

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| 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 A WAY FROM FOOD AND BEVERAGES. PROTECT FROM EXCESSIVE HEAT AND COLD. |

SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

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| EXPOSURE CONTROLS | GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT. |
| EYE /FACE | SAFETY GLASSES (PATIENT). |
| SKIN | GLOVES. |
| INHALATION | N/A |
| BODY PROTECTION | PROTECTIVE WORK CLOTHING. |

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

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| APPEARANCE: | SOFT PASTE | SPECIFIC GRAVITY: | N/A |
| COLOR: | VITA SHADE (A1-D4) | SOLUBILITY IN WATER: | $\leq 5 \mu\text{g}/\text{mm}^3$ |
| ODOR: | SOFT SMELL ACRYLATE | VAPOR PRESSURE (mm Hg): | N/A |
| BOILING POINT: | N/A | MELTING POINT: | N/A |

SECTION X– STABILITY AND REACTIVITY

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| STABILITY: | THE PRODUCT IS STABLE UNDER NORMAL CONDITIONS AND STORAGE CONDITIONS. |
| INCOMPATIBILITY (MATERIALS TO AVOID): | STRONG ACIDS AND OXIDIZING AGENTS |
| HAZARDOUS PRODUCTS PRODUCED DURING DECOMPOSITION: | MONOXIDE AND DIOXIDE, LOW MOLECULAR WEIGHT HYDROCARBONS. |
| CONDITIONS TO AVOID | KEEP AWAY FROM HEAT, SUNLIGHT AND THE DIRECT LIGHT INTENSE. |

SECTION XI – TOXICOLOGICAL INFORMATION

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| ACUTE TOXICITY | DIRECT CONTACT MAY CAUSE EYE IRRITATION. SKIN: REPEATED OR PROLONGED EXPOSURE MAY CAUSE SLIGHT IRRITATIONS. EVALUATION BASED ON REAL OR SIMILAR MATERIAL TEST DATA. |
| SUBACUTE / CHRONIC TOXICITY | UNCURED MATERIAL: PROLONGED OR FREQUENTLY REPEATED SKIN CONTACT MAY CAUSE ALLERGIC SKIN REACTIONS IN SOME INDIVIDUALS. |
| 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 – DISPENSAL 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

NOT REQUIRED.

SECTION XV – REGULATORY INFORMATION

THIS PRODUCT IS A MEDICAL DEVICE AND NOT SUBJECT TO CHEMICAL NOTIFICATION REQUIREMENTS.
REGULATED FOR SHIPPING: NOT REGULATED
SYMBOL: N/A
CATEGORIES OF DANGER: N/A

SECTION XVI – OTHER INFORMATION

THE ABOVE MENTIONED DATA CORRESPOND 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