

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:	GLASS IONOMER CEMENT TYPE I LUTING (LIQUID)
DESCRIPTION OF PRODUCT:	GLASS IONOMER CEMENT TYPE I, FOR DENTAL PROFESSIONALS ONLY

SECTION II – COMPOSITION /DATA ON COMPONENTS

INGREDIENTS	%	CAS.NO.
POLYACRILIC ACID	80-90	9003-01-4
ACID TARTARIC	< 10	87-69-4

(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.
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SECTION IV – FIRST AID MEASURES

SKIN CONTACT	WASH THOROUGHLY WITH WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
EYE CONTACT	FLUSH EYES WITH PLENTY OF WATER (10-15MIN.). IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION.
INHALATION	ALLOW THE VICTIM TO REST IN A WELL VENTILATED AREA. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION
INGESTION	GIVE LARGE AMOUNTS OF WATER. IF YOU FEEL UNWELL, SEEK MEDICAL ATTENTION.

SECTION V – FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	WATER FOG, CARBON DIOXIDE, FOAM, DRY CHEMICALS.
EXTINGUISHING MEDIA TO AVOID:	NOT KNOWN

FLASPOINT METHOD:	NOT APPLICABLE
PROTECTION AND PROCEDURES FOR FIREFIGHTERS:	FIREFIGHTERS SHOULD WEAR SELF-CONTAINED RESPIRATORY PROTECTIVE DEVICES.

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:	PRODUCT IS INTENDED FOR DENTAL USE ONLY. HANDLING OF THIS PRODUCT SHOULD BE BY TRAINED DENTAL HEALTHCARE PROFESSIONALS 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.

SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE /FACE	SAFETY GLASSES (PATIENT).
SKIN	GLOVES.
INHALATION	NOT REQUIRED.
BODY PROTECTION	PROTECTIVE WORK CLOTHING.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	LIQUID	ODOR:	PRACTICALLY ODOURLESS
COLOR:	COLORLESS OR PALE YELLOW	SPECIFIC GRAVITY:	1.139 – 1.197 g/cm ³
MELTING POINT:	N/A	VAPOR PRESSURE (mm Hg):	N/A
pH:	N/A	SOLUBILITY IN WATER:	MISCIBLE

SECTION X– STABILITY AND REACTIVITY

STABILITY:	THE PRODUCT IS STABLE
INCOMPATIBILITY (MATERIALS TO AVOID):	AQUEOUS SOLUTIONS ARE INCOMPATIBLE WITH ALKALI AND ALKALINE EARTH METALS AND MANY REACTIVE ORGANIC AND INORGANIC CHEMICALS.
HAZARDOUS PRODUCTS PRODUCED DURING DECOMPOSITION:	NONE UNDER NORMAL CONDITIONS OF STORAGE AND USE.
CONDITIONS TO AVOID	NONE KNOWN

SECTION XI – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	ORAL LD ₅₀ FOR RATS > 5000 mg/Kg. DIRECT CONTACT MAY CAUSE EYE IRRITATION. SKIN: REPEATED OR PROLONGED EXPOSURE MAY CAUSE SLIGHT IRRITATIONS. MAY CAUSE SENSITIZATION BY SKIN CONTACT. ASSESSMENT BASED ON ACTUAL TESTING OR ON DATA FOR SIMILAR MATERIALS.
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 – DISPOSAL CONSIDERATION

REGULATIONS: MUST NOT BE DISPOSED OF TOGETHER WITH HOUSEHOLD GARBAGE. DISPOSE OF MATERIAL AS LIQUID WASTE IN A CLOSED CONTAINER.
DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION XIV – TRANSPORT INFORMATION

(ACCORDING TO 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