

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: ZINC PHOSPHATE CEMENT POWDER

DESCRIPTION OF PRODUCT: ZINC PHOSPHATE CEMENT POWDER, FOR DENTAL PROFESSIONALS ONLY.

SECTION II – COMPOSITION /DATA ON COMPONENTS

INGREDIENTS	%	CAS.NO.
ZINC OXIDE	70-80	1314-13-2
MAGNESIUM OXIDE	1-10	1309-48-4
BISMUTH SUBNITRATE	1-5	1304-85-4

(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	IRRITATING TO THE EYES AND SKIN.
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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 FOAM OR WATER SPRAY
EXTINGUISHING MEDIA TO AVOID:	NONE KNOWN
FLASPOINT METHOD:	NOT APPLICABLE
PROTECTION AND PROCEDURES FOR FIREFIGHTERS:	WEAR FULL PROTECTIVE CLOTHING, AND 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	RESPIRATORY PROTECTION.
BODY PROTECTION	PROTECTIVE WORK CLOTHING.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	POWDER	ODOR:	ODORLESS
COLOR:	PALE YELLOW	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
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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:	NONE UNDER NORMAL CONDITIONS OF STORAGE AND USE.
CONDITIONS TO AVOID	NONE KNOWN

SECTION XI – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	ON THE SKIN: SLIGHT IRRITATION TO SKIN. ON THE EYE: DIRECT CONTACT MAY CAUSE EYE IRRITATION. ASSESSMENT BASED ON ACTUAL TESTING OR ON DATA FOR SIMILAR MATERIALS
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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