

MATERIAL SAFETY DATA SHEET

MANUFACTURER OR DISTRIBUTOR: Pentel of America, Ltd.  
2805 Columbia St.

Torrance CA 90509

INFORMATION TELEPHONE NUMBER: 310-320-3831

EMERGENCY TELEPHONE NUMBER: 800-421-1419

----- SECTION I - PRODUCT IDENTIFICATION -----

PRODUCT NAME: PENTEL CORRECTION PEN PRODUCT NO. ZLM1-W, ZLM21-W

PRODUCT SIZES: 7 ML; 18 ML

PRODUCT CLASS: SOLVENT BASED MARKER

----- SECTION II - HAZARDOUS INGREDIENTS -----

INGREDIENT	CAS#	PEL/TLV (MG/M3)	MAX %WEIGHT	NTP	IARC
METHYLCYCLOHEXANE	108-87-2	1610.00	22.4	N	N

----- SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS -----

BOILING POINT: N/A MELTING POINT: N/A  
VAPOR PRESSURE: N/A  
SPECIFIC VAPOR DENSITY (AIR=1): N/A SPECIFIC GRAVITY: N/A  
SOLUBILITY IN WATER: N/A REACTIVITY IN WATER: NON-REACTIVE  
APPEARANCE AND ODOR:

----- SECTION IV - FIRE AND EXPLOSION INFORMATION -----

FLASH POINT (METHOD): N/A AUTOIGNITION TEMPERATURE: N/A  
EXPLOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE  
EXTINGUISHING MEDIA: NO SPECIAL MEDIA REQUIRED  
FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.  
UNUSUAL FIRE & EXPLOSION HAZARDS: FLAMMABLE.

----- SECTION V - PHYSICAL HAZARDS/REACTIVITY -----

HAZARDOUS POLYMERIZATION PRODUCTS: NONE  
STABILITY: STABLE CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY (MATERIALS TO AVOID): NONE  
HAZARDOUS DECOMPOSITION PRODUCTS: NONE

COMPANY: Pentel of America, Ltd. PRODUCT: ZLM1-W, ZLM21-W  
BRAND NAME: PENTEL CORRECTION PEN

----- SECTION VI - HEALTH HAZARD DATA -----

PERMISSIBLE EXPOSURE LEVEL: SEE SECTION II FOR COMPONENT PEL/TLVs

PRIMARY ROUTES OF ENTRY: EYE, SKIN, INGESTION

EFFECTS AND SYMPTOMS OF ACUTE EXPOSURE: DELIBERATE MISUSE BY  
CONCENTRATING AND INHALING VAPORS MAY BE HARMFUL OR FATAL.

EFFECTS AND SYMPTOMS OF CHRONIC EXPOSURE: NONE EXPECTED

CARCINOGEN LISTING: NTP: NO IARC: NO OSHA: NO  
SEE SECTION II FOR COMPONENTS AFFECTED

MEDICAL CONDITIONS USUALLY AGGRAVATED BY OVER EXPOSURE TO THIS PRODUCT: NONE

FIRST AID MEASURES: NONE REQUIRED. NO ACUTE HEALTH EFFECTS EXPECTED.

----- SECTION VII - SPILL OR LEAK PROCEDURES -----

PRECAUTIONS TO BE TAKEN DURING STORAGE AND HANDLING: KEEP OUT OF REACH  
OF CHILDREN.

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: NO SPECIAL SPILL  
PROCEDURES REQUIRED.

WASTE DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND  
LOCAL REGULATIONS.

----- SECTION VIII - PROTECTIVE EQUIPMENT/CONTROL MEASURES -----

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: NONE REQUIRED  
OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC): NONE REQUIRED  
WORK/HYGIENE PRACTICES: THIS INFORMATION SHEET IS FOR THE CONSUMER USE  
OF THIS PRODUCT ONLY.

-----  
Form Completed by: Woodhall Stopford, MD, MSPH  
Last Updated: 02/19/98