

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: SIGN PEN PRODUCT NO. S520-12, NS 167

PRODUCT SIZES: 2.5GR

PRODUCT CLASS: WATER COLOR MARKER

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

INGREDIENT	CAS#	PEL/TLV (MG/M3)	MAX %WEIGHT	NTP	IARC
None					

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

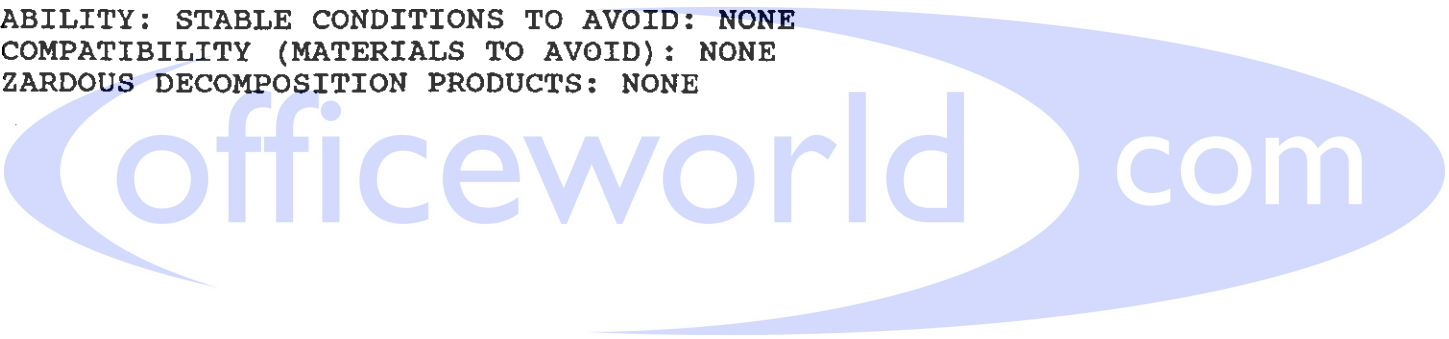
BOILING POINT: N/A MELTING POINT: N/A  
 VAPOR PRESSURE: N/A  
 SPECIFIC VAPOR DENSITY (AIR=1): N/A SPECIFIC GRAVITY: N/A  
 SOLUBILITY IN WATER: N/A REACTIVITY IN WATER: NON-REACTIVE  
 APPEARANCE AND ODOR:

----- 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: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED  
 UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

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

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



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COMPANY: Pentel of America, Ltd. PRODUCT: S520-12  
BRAND NAME: SIGN 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: NONE EXPECTED

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: NO SPECIAL  
PRECAUTIONS REQUIRED.

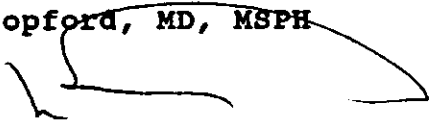
STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: NO SPECIAL SPILL  
PROCEDURES REQUIRED.

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: NONE REQUIRED

Form Completed by: Woodhall Stopford, MD, MSPH  
Last Updated: 04/05/95



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