

MATERIAL SAFETY DATA SHEET

4/11/2008

MANUFACTURER OR DISTRIBUTOR: **Nicker Colour Co, Ltd**
1-7-24, Uchisaiwaicho
Chiyoda-ku
Tokyo,

INFORMATION TELEPHONE NUMBER: **011033502095508**
 EMERGENCY TELEPHONE NUMBER: **011033502095508**

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: **PENTEL WET ERASE MARKER** PRODUCT NUMBER: **SMW 26**

PRODUCT SIZES: **6.5** BRAND NAME: **PENTEL WET ERASE MARKER**

PRODUCT CLASS: **MEMO BOARD MARKER***

SECTION II - HAZARDOUS INGREDIENTS

<u>Ingredient</u>	<u>CAS #</u>	<u>PEL/TLV (MG/M#)</u>	<u>Max % Weight</u>	<u>NTP</u>	<u>IARC</u>
None					

SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT: N/A MELTING POINT: N/A

VAPOR PRESSURE: N/A SPECIFIC GRAVITY: N/A

SPECIFIC VAPOR DENSITY (AIR=1): N/A REACTIVITY IN WATER: NON-REACTIVE

SOLUBILITY IN WATER: N/A

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

SECTION VI - HEALTH HAZARD DATA

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

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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: NOOSHA: 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

SECTION IX - ADDITIONAL INFORMATION AND WARNINGS

NONE REQUIRED

SECTION X - COLOR INFORMATION

THIS MSDS APPLIES TO THE FOLLOWING COLORS WHICH ARE ASSOCIATED WITH HAZARDOUS AND/OR NON-HAZARDOUS INGREDIENTS

Product Color	Hazardous Ingredient
1	(none)
100	(none)
117	(none)
118	(none)
119	(none)
12	(none)
124	(none)

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Product Color	Hazardous Ingredient
125	(none)
126	(none)
127	(none)
128	(none)
129	(none)
13	(none)
131	(none)
132	(none)
133	(none)
14	(none)
143	(none)
15	(none)
16	(none)
17	(none)
18	(none)
2	(none)
20	(none)
22	(none)
23	(none)
25	(none)
29	(none)
30	(none)
31	(none)
32	(none)
36	(none)
37	(none)
38	(none)
39	(none)
4	(none)
40	(none)

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<u>Product Color</u>	<u>Hazardous Ingredient</u>
44	(none)
46	(none)
47	(none)
48	(none)
49	(none)
5	(none)
52	(none)
53	(none)
54	(none)
55	(none)
6	(none)
8	(none)
9	(none)
T-1	(none)
T-2	(none)
T-3	(none)
T-3.5	(none)
T-4	(none)
T-5	(none)
T-6	(none)

Form Completed By: **Woodhall Stopford, MD, MSPH**
Last Updated: **09/07/2004**

PENTEL**MATERIAL SAFETY DATA SHEET**

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ISSUE NUMBER : S1-SMW56001-01-E

ISSUE DATE:Dec.6, 2005

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME :
 COMPANY NAME : PENTEL CO.,LTD
 ADDRESS : 7-2 KOAMI-CHO, NIHONBASHI, CHUO-KU, TOKYO, 103-8538 JAPAN
 TELEPHONE NO. : 03-3667-3333 (JAPAN)
 DEPARTMENT : QUALITY ASSURANCE DEPARTMENT
 PRODUCT CODE : SMW56-AO(Black),BO(Red),CO(Blue),DO(Green),FO(Orange)
 ,GO(Yellow),VO(Violet),WO(White)

2 COMPOSITION/INFORMATION OR IDENTIFICATION

《CHEMICAL NAME》	《CONCENTRATION	《CAS NO.》
Ethylene glycol	3%	107-21-1
Ethyl alcohol	2%	64-17-5
Isopropyl alcohol	1%	67-63-0

3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW : N/A

HAZARDS

SPECIFIC HAZARDS : N/A
 PHYSICAL/CHEMICAL : N/A
 HEALTH EFFECTS : N/A
 ENVIRONMENTAL EFFEC : N/A

4 FIRST AID MEASURES

EYE CONTACT : Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention, if irritation persists.
 SKIN CONTACT : Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.
 INGESTION : Immediately flush mouth with plenty of water. Small amounts swallowed are not likely to cause injury. Get medical attention,if swallowed large amounts do not induce vomiting,and/or if symptoms occur.

5 FIRE FIGHTING MEASURES

FIRE FIGHTING METHO : No flammable liquid
 EXTINGUISHING MEDIA : N/A

6 ACCIDENTAL RELEASE MEASURES

LAND SPILL : Absorb the liquid and scrub the area with detergent and water.

WATER SPILL : N/A

7 HANDLING AND STORAGE

HANDLING : Keep away from sources of ignition, heat, and direct sunlight.
 STORAGE : Store away from sources of ignition, heat, and direct sunlight.

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTRO : No special controls are needed.

PERSONAL PROTECTIVE EQUIPMENT:

EYE : None needed.

SKIN/BODY/HAND : None needed.

RESPIRATORY : None needed.

EXPOSURE GUIDELINES : N/A

9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE : Liquid.(ink)

APPEARANCE : Sign pen

COLOR : Black,Red,Blue,Green,Orange,Yellow,Violet,White

ODOR : none

10 STABILITY AND REACTIVITY

CHEMICAL STABILITY : Stable at room temperature.

CONDITIONS TO AVOID : Avoid temperatures above 104° F (40°C).

Store away from sources of ignition, heat, and direct sunlight.

11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY : N/A

EYE EFFECTS : N/A

SKIN EFFECTS : N/A

CHRONIC EFFECTS : N/A

CARCINOGENICITY : N/A

12 ECOLOGICAL INFORMATION

: N/A

13 DISPOSAL CONSIDERATIONS

•Comply with all federal, state, and local regulations.

•Do not dump this material into sewers,on the ground or into any body of water.

14 TRANSPORT INFORMATION

•Comply with all federal, state, and local regulations.

•See above Section 7, "HANDLING AND STORAGE."

15 REGULATORY INFORMATION

N/A

16 OTHER INFORMATION

None

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