

		<b>M S D S (1)</b> MATERIAL SAFETY DATA SHEET		HIGHLIGHTER STICK	
				QUICK IDENTIFIER (2)	
FOR		PRODUCERS	<input type="checkbox"/>	SUPPLIERS	<input checked="" type="checkbox"/>
		WAREHOUSERS	<input type="checkbox"/>		
<b>SECTION I - GENERAL INFORMATION</b>					
Manufacturer's name :		KOTOBUKI & CO.,LTD.		Telephone no. : +49-233-3388 (Country Code: + ...)	
Address :		138 KUJIRAI, KAWAGOE SAITAMA, 350-0815 JAPAN		Telefax no. : +49-233-2713	
Date : Nov. 7, 2002 Prepared by Y. MITSUYA					
<b>SECTION II - HAZARDOUS INGREDIENTS (SPECIFY COMPONENT)</b>					
Hazardous / ingredients (chemical or common name(s)) (3) CAS No. TLV WT Component ppm %					
NO HAZARDOUS INGREDIENTS KNOWN AT THIS TIME.					
<b>SECTION III - PHYS. / CHEM. CHARACTERISTICS (SPECIFY COMPONENT)</b>					
Appearance and odor			PLASTIC BARREL, NON ODOUR		
			COMPONENT HIGHLIGHTER STICK		
Boiling point (°C) :		N.D.		Density (g/cm ) : 1.1-1.2	
Vapour density (air=1) :		N.D.		Melting point (°C) : 50-60	
Solubility in water (%) :		MISCIBLE		Evaporation rate : (butyl acetate = 1) N.D.	
Pressurized :		Yes	No	X	% Volatile : (4) 45
Other characteristics : NONE					
<b>SECTION IV - FIRE AND EXPLOSION HAZARD DATA</b>					
Flash point method used :		NONE		Explosion limits (Vol. -%)	
				LEL :	UEL :
				NONE	NONE
Extinguishing media : CO <sub>2</sub> , DRY CHEMICAL FORM, WATER FOG OR SPRAY					
Special fire fighting precautions :		NONE		Autoignition temp. (°C) : NONE	
List hazardous products of decomposition : NONE DATA					
Other advice : NONE					
IMPORTANT					
(1) Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate as follows : not applicable = N.A. ; not determined = N.D.					
(2) Product type and common name ( used on label and list )					
(3) Cited in any National Regulations on the classification, packaging and labelling of dangerous substance preparations, paints, varnishes, printing inks, adhesives and similar products.					
(4) Part of the mixture which evaporates.					

**SECTION V - STORAGE HAZARDS**

Stability : unstable

Conditions to avoid AVOID HIGH TEMP. (OVER 50°C)  
AND LOW TEMP. (UNDER 0°C)

stable

Incompatibility :  
(materials to avoid)

STRONG OXIDIZING AGENTS

List hazardous products  
of decomposition :

NOT KNOWN

Hazardous  
polymerization :

May occur

Conditions

Will not occur

to avoid

**SECTION VI - HEALTH HAZARDS**

1. Acute : (5)

N.D.

2. Chronic : N.D.

Signs and symptoms  
of overexposure : (6)

N.D.

Medical conditions generally  
aggravated by exposure :

N.D.

Chemical listed as carcinogen :

UNKNOWN

Emergency and  
first aid procedures :

Routes of entry

Emergency procedures

Seek medical advice

Inhalation

CONSULT PHYSICIAN

X

Eyes

IRRIGATE EYES WITH WATER IMMEDIATELY

X

Skin

WASH OFF WITH SOAP AND WATER

Ingestion

CONSULT PHYSICIAN IMMEDIATELY

X

**SECTION VII - SPECIAL PRECAUTIONS**Special precautions to be taken  
in handling :

AVOID APPLYING IMPACT SUCH AS BY DR

Other precautions :

ALWAYS REPLACE THE CAP TIGI

Steps to be taken in case  
material is released or spilled :

TAKE UP BY MECHANICAL MEAN

Waste disposal methods :

DISPOSE AS NONFLAMMABLE WASTE IN ACCORDANCE WITH  
LOCAL REGULATIONS**SECTION VIII - SPECIAL PROTECTION INFORMATION / CONTROL MEASURES**Respiratory protection :  
(specify type)

NOT REQUIRED

Ventilation :

VENTILATE A ROOM

Local

NOT

Mechani DESIRABLE

Other

exhaust : REQUIRED (genera

Skin and eye protection :

NOT REQUIRED

Work / hygienic practices :

VENTILATE A ROOM

(5) LD50 shall be noted if known.

(6) Health hazard by ingestion or inhalation  
shall be noted if known.

not applicable = N.A.

not determined = N.D.