

PRODUCT SAFETY DATA SHEET

CHEMICAL PRODUCT & COMPANY IDENTIFICATION COMPANY **TOMBOW PENCIL CO., LTD.**

DOMICILE TOSHIMA 6-10-12 KITAKU TOKYO JAPAN

DEPARTMENT ENVIRONMENTAL IMPACT QUALITY UNIT

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(WRITTEN 22 May 2008)

CHEMICAL PRODUCT

Dual Brush-Pen AB-T 96 colors (Marking Pen)

COMPOSITION / INFORMATION ON INGREDIENTS

Ink:

Water	70~85%
Diethylene Glycol	10~20%
Acid based dye	0.1~10%
Nonionic surface active agent	0.2%

Body: PP resin

Brush: Nylon

Pen Tip: PET resin

HAZARDS IDENTIFICATION

Special Attention will be paid fire.

FIRST-AID MEASURES

Inhalations	Move to fresh air area
Eyes	Flush thoroughly with water and get prompt medical attention
Skin	Wash with water with soap
Ingestion	Vomit by force. Drink water .

FIRE-FIGHTING MEASURES

Fighting with much Water

HANDLING & STORAGE

Avoid all sources of ignition-heat, sparks and open flame.
Adequate ventilation and clean up will be maintained.

EXPOSURE CONTROLS / PERSONAL PROTECTION

TLVs & BEIs : No data

PHYSICAL & CHEMICAL PROPERTIES

Bp: above 100°C(Ink) Mp: about -5°C(Ink)
Vapor Pressure about 20mHg/25°C(Ink) Density 0.96
Solubility: Soluble to any portion in Water(Ink)

STABILITY & REACTIVITY

Flash Point : above 140°C Flammability: Combustible(Body)
Oxidation : Partially Spontaneous Explosion : not clear
Powder Explosion : above 160°C Stability & Reactivity : Stable

TOXICOLOGICAL INFORMATION

Acute Toxicity : LD₅₀ 12,000mg/kg (Diethylene Glycol)

ECOLOGICAL INFORMATION

No data

DISPOSAL CONSIDERATION

Don't put into the flame.

TRANSPORT INFORMATION

Avoid high temperature

REGULATORY INFORMATION

Free from heavy metals of EN-71, Part 3.
AP marked product

OTHER INFORMATION

ACGIH, NTP, IARC, RTECS

13/Nov/1998 Settled.

22/Mar/2006 Reviewed.

22/May/2008 Reviewed