

## Safety Data Sheet

Issue date: 7/2/2019  
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### 1. Chemical product and company identification

#### Product identifier

Trade name : MONO Twin Bold (Black ink)  
Product code : 56646 (XAOD-TME33)

#### Recommended use of the chemical and restrictions on use

Recommended uses and restrictions : Marking Pen

#### Company information

Manufacturer  
Tombow Pencil Co., Ltd.  
6-10-12, Toshima, Kita-ku, Tokyo, 114-8583, Japan  
TEL: +81-3-3912-1196  
FAX: +81-3-3912-1371  
Distributor  
American Tombow, Inc.  
355 Satellite Boulevard N.E., Suite 300, Suwanee, GA 30024, U.S.A.  
TEL: +1-678-318-3344  
FAX: +1-678-318-3347

#### Emergency telephone number

CHEMTREC  
United States: 800-424-9300 24 hours everyday  
International: +1-703-527-3887(Collect) 24 hours everyday

### 2. Hazards identification

#### Classification

Physical hazards	Flammable liquids	Category 3
Health hazards	Serious eye damage/irritation	Category 2
	Skin sensitization	Category 1
	Specific target organ toxicity - single exposure	Category 3 (Narcosis)

Hazard pictograms



Signal word : Warning  
H-statements : Flammable liquid and vapour. (H226)  
May cause an allergic skin reaction. (H317)  
Causes serious eye irritation. (H319)  
May cause drowsiness or dizziness. (H336)

#### Precautionary statements

Prevention : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)  
Keep container tightly closed. (P233)  
Ground and bond container and receiving equipment. (P240)  
Use explosion-proof electrical/ventilating/lighting equipment. (P241)  
Use only non-sparking tools. (P242)

- Take action to prevent static discharges. (P243)  
 Avoid breathing dust/fume/gas/mist/vapours/spray. (P261)  
 Wash hands, forearms and face thoroughly after handling. (P264)  
 Use only outdoors or in a well-ventilated area. (P271)  
 Contaminated work clothing should not be allowed out of the workplace. (P272)  
 Wear protective gloves/protective clothing/eye protection/face protection. (P280)
- Response :**
- IF ON SKIN:** Wash with plenty of water. (P302+P352)  
**IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water. (P303+P361+P353)  
**IF INHALED:** Remove person to fresh air and keep comfortable for breathing (P304+P340)  
**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)  
 Call a POISON CENTER or doctor if you feel unwell. (P312)  
 Specific treatment (see supplemental first aid instruction on this label). (P321)  
 If skin irritation or rash occurs: Get medical advice/attention. (P333+P313)  
 If eye irritation persists: Get medical advice/attention. (P337+P313)  
 Take off contaminated clothing and wash it before reuse. (P362+P364)  
 In case of fire: Use ... to extinguish. (P370+P378)
- Storage :**
- Store in a well-ventilated place. Keep container tightly closed. (P403+P233)  
 Store in a well-ventilated place. Keep cool. (P403+P235)  
 Store locked up. (P405)
- Disposal :**
- Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. (P501)

### 3. Composition/information on ingredients

Product form : Mixture

Name	CAS-No.	Concentration (%)
2-Propanol, 1-methoxy-	107-98-2	Undisclosed
Rosin	8050-09-7	Undisclosed
2-Propanol	67-63-0	Undisclosed
1-Propanol	71-23-8	Undisclosed
Others	Undisclosed	Undisclosed

Article : PP, PMMA, etc.

### 4. First aid measures

#### First aid measures

- First-aid measures general : Call a poison center or a doctor if you feel unwell.  
 First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
 First-aid measures after skin contact : Rinse skin with water/shower.  
 Take off immediately all contaminated clothing.  
 If skin irritation or rash occurs: Get medical advice/attention.  
 First-aid measures after eye contact : Rinse cautiously with water for several minutes.  
 Remove contact lenses, if present and easy to do. Continue rinsing.  
 If eye irritation persists: Get medical advice/attention.  
 First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

#### Most important symptoms and effects, both acute and delayed

- Symptoms/effects : May cause drowsiness or dizziness.  
 Symptoms/effects after skin : May cause an allergic skin reaction.

contact  
 Symptoms/effects after eye contact : Eye irritation.

**Other medical advice or treatment**

Other medical advice or treatment : Treat symptomatically.

**5. Fire fighting measures**

Suitable extinguishing media : Water spray, Dry powder, Foam, Carbon dioxide  
 Fire hazard : Flammable liquid and vapour.  
 Hazardous decomposition products in case of fire : Toxic fumes may be released  
 Protection during firefighting : Do not attempt to take action without suitable protective equipment.  
 Self-contained breathing apparatus.  
 Complete protective clothing.

**6. Accidental release measures****For non-emergency personnel**

Emergency procedures : Ventilate spillage area.  
 No open flames, no sparks, and no smoking.  
 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 Avoid contact with skin and eyes.

**For emergency responders**

Protective equipment : Do not attempt to take action without suitable protective equipment.  
 For further information refer to section 8: "Exposure controls/personal protection".

**Environmental precautions**

Environmental precautions : Avoid release to the environment.

**Methods and material for containment and cleaning up**

Methods for cleaning up : Take up liquid spill into absorbent material.  
 Notify authorities if product enters sewers or public waters.  
 Other information : Dispose of materials or solid residues at an authorized site.

**7. Handling and storage****Handling**

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 Ground/bond container and receiving equipment.  
 Use only non-sparking tools.  
 Take precautionary measures against static discharge.  
 Flammable vapours may accumulate in the container.  
 Use explosion-proof equipment.  
 Wear personal protective equipment.  
 Use only outdoors or in a well-ventilated area.  
 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 Avoid contact with skin and eyes.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace.  
 Wash contaminated clothing before reuse.  
 Do not eat, drink or smoke when using this product.  
 Always wash hands after handling the product.

**Storage**

- Storage conditions : Store in a well-ventilated place.  
Keep cool.  
Keep container tightly closed.  
Store locked up.
- Technical measures : Ground/bond container and receiving equipment.

**8. Exposure controls / Personal protection equipment**

- Appropriate engineering controls : Ensure good ventilation of the work station
- Hand protection : Protective gloves
- Eye protection : Safety glasses
- Skin and body protection : Wear suitable protective clothing
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Environmental exposure controls : Avoid release to the environment.

**9. Physical and chemical properties**

- Physical state : Liquid
- Colour : Black
- Odour : characteristic
- Odour threshold [ppm] : No data available
- pH : No data available
- Relative evaporation rate (butylacetate=1) : No data available
- Melting point : Not applicable
- Freezing point : No data available
- Boiling point : No data available
- Flash point :  $\approx 27$  °C
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : Not applicable
- Explosive limits (g/m<sup>3</sup>) : No data available
- Vapour pressure : No data available
- Relative vapour density at 20 °C : No data available
- Relative density : No data available
- Solubility : No data available
- Partition coefficient n-octanol/water (Log Pow) : No data available
- Viscosity, dynamic: : No data available
- Viscosity, kinematic: : No data available

**10. Stability and reactivity**

- Reactivity : Flammable liquid and vapour.
- Chemical stability : Stable under normal conditions.
- Possibility of hazardous reactions : No dangerous reactions known under normal conditions of use.
- Conditions to avoid : Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
- Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**11. Toxicological information**

- Acute toxicity (oral) : Not classified
- Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation)	:	classification not possible (gas) classification not possible (vapours) classification not possible (dust, mist)
Skin corrosion/irritation	:	classification not possible
Serious eye damage/irritation	:	Causes serious eye irritation.
Respiratory sensitization	:	classification not possible
Skin sensitization	:	May cause an allergic skin reaction.
Germ cell mutagenicity	:	classification not possible
Carcinogenicity	:	classification not possible
Reproductive toxicity	:	classification not possible
STOT-single exposure	:	May cause drowsiness or dizziness.
STOT-repeated exposure	:	Not classified
Aspiration hazard	:	classification not possible

**12. Ecological information**

Ecology - general	:	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	:	Not classified
Hazardous to Aquatic Environment - Chronic Hazard	:	Not classified
Hazardous to the ozone layer	:	classification not possible
Other adverse effects	:	No additional information available

**13. Disposal considerations**

Waste treatment methods	:	Dispose in a safe manner in accordance with local/national regulations.
Additional information	:	Flammable vapours may accumulate in the container.

**14. Transport information**

UN number	:	Not applicable (as per special provision)
Proper Shipping Name	:	Not applicable (as per special provision)
Packing group	:	Not applicable (as per special provision)
Transport hazard class(es)	:	Not applicable (as per special provision)
Danger labels	:	Not applicable (as per special provision)
Special provisions	:	Not applicable
	:	274
	:	A46
Marine pollutant	:	No
Special transport precautions	:	Keep out of direct sunlight.Store in tightly closed, leak-proof containers.

**15. Regulatory information**

TSCA	:	All components of this product are listed, or excluded from listing, on the TSCA inventory.
California Proposition 65	:	This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm or has been assessed to be below OEHHA Safe Harbor exposure levels.
Observe local/regional/national/international regulation.	:	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**16. Other information**

**DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions



Tombow Pencil Co., Ltd.

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