

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 (Blue ink)
Product code : 56648 (XAOD-TME15)

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 2A
	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/bond container and receiving equipment. (P240)
Use explosion-proof electrical/ventilating/lighting equipment. (P241)
Use only non-sparking tools. (P242)

- Take precautionary measures against static discharge. (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/shower. (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/doctor if you feel unwell. (P312)
 - Specific treatment (see supplemental first aid instruction on this label). (P321)
 - If on skin and if skin irritation or rash occurs, seek medical advice and attention. (P333+P313)
 - If eye irritation persists: Get medical advice/attention. (P337+P313)
 - Take off contaminated clothing and wash it before reuse. (P362+P364)
- Storage :**
- In case of fire: Use ... to extinguish. (P370+P378)
 - 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
1-Propanol	71-23-8	Undisclosed
2-Propanol	67-63-0	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 contact : May cause an allergic skin reaction.
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 : Blue
- 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 : ≈ 32.2 °C
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : Not applicable
- Explosive limits (g/m³) : 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)	:	classification not possible
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	:	classification not possible
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)	:	classification not possible
Hazardous to Aquatic Environment - Chronic Hazard	:	classification not possible
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



Tombow Pencil Co., Ltd.

No. 0004277 en

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