

Safety Data Sheet

Issue date: 7/2/2019
Revision date: 5/6/2022

1. Chemical product and company identification

Product identifier

Trade name : MONO Twin Bold (Red ink)
Product code : 56647 (XAOD-TME25)

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 1
	Skin sensitization	Category 1
	Specific target organ toxicity - single exposure	Category 3 (Narcosis)
Environmental hazards	Hazardous to the aquatic environment, short-term (acute)	Category 2
	Hazardous to the aquatic environment, long-term (chronic)	Category 2

Hazard pictograms



Signal word : Danger
H-statements : Flammable liquid and vapour. (H226)
May cause an allergic skin reaction. (H317)
Causes serious eye damage. (H318)
May cause drowsiness or dizziness. (H336)
Toxic to aquatic life with long lasting effects. (H411)

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)
 Use only outdoors or in a well-ventilated area. (P271)
 Contaminated work clothing should not be allowed out of the workplace. (P272)
 Avoid release to the environment. (P273)
 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)
 Immediately call a POISON CENTER or doctor. (P310)
 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)
 Take off contaminated clothing and wash it before reuse. (P362+P364)
 In case of fire: Use ... to extinguish. (P370+P378)
 Collect spillage. (P391)
- 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
Xanthylum, 9-[2-(ethoxycarbonyl)phenyl]-3,6-bis(ethylamino)-2,7-dimethyl-, chloride	989-38-8	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 : Rinse cautiously with water for several minutes.

contact : Remove contact lenses, if present and easy to do. Continue rinsing.
 Call a physician immediately.

First-aid measures after : Call a poison center or a doctor if you feel unwell.
 ingestion

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 : Serious damage to eyes.
 contact

Other medical advice or treatment

Other medical advice or : Treat symptomatically.
 treatment

5. Fire fighting measures

Suitable extinguishing media : Water spray, Dry powder, Foam, Carbon dioxide

Fire hazard : Flammable liquid and vapour.

Hazardous decomposition : Toxic fumes may be released
 products in case of fire

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

For containment : Collect spillage.

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 : Red

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 : $\approx 32\text{ }^{\circ}\text{C}$

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 damage.
- 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 : Toxic to aquatic life, Toxic to aquatic life with long lasting effects.
- Hazardous to the aquatic environment, short-term (acute) : Toxic to aquatic life
- Hazardous to Aquatic Environment - Chronic Hazard : Toxic to aquatic life with long lasting effects.
- 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
- Special provisions : 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 or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable