

SAFETY DATA SHEET

22371-1006

First Issue: Sep 25, 2017

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name: MONO Edge Highlighter
Product code (Color No.): 56411(Pink),56415(Yellow Green),56412(Red),56413(SkyBlue),
56414(Purple),56410(GoldenYellow)
Product name: MONO Edge Highlighter 3pk
Product code : 66420
Product name: MONO Edge Highlighter 3pk
Product code : 66421
Product name: MONO Edge Highlighter 6pk
Product code : 66422

1.2 Relevant identified uses of the substance or mixture and uses advised against

General use: Marking pen for paper

1.3 Details of the supplier of the safety data sheet

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

1.4 Emergency telephone number

CHEMTREC

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

Nontransportation

American Tombow, Inc.
TEL: +1-678-318-3344 (9am – 6pm, EST, M-F)
Tombow Pencil Co., Ltd.
TEL: +81-3-3912-1196 (9am – 5:30pm, Japan Time, M-F)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to GHS

Specific colors(56415, 56412) :
Skin sensitization Category 1

Specific colors(56411, 56415, 56412) :
Eye damage Category 1

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2.1.2 Additional information: No

2.2 Label elements

Labelling according to GHS

Hazard pictograms:



Signal words: Specific colors (56411, 56415, 56412): Danger

Hazard statement:

Specific colors (56411, 56415, 56412):

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

Precautionary statements:

Specific colors (56411, 56415, 56412):

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P333+P313 IF SKIN irritation or rash occurs: Get medical advice/attention.

P321 Specific treatment (see instructions on this label).

P363 Wash contaminated clothing before reuse.

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

2.3 Other hazards: No data available

SECTION 3: Composition/information on ingredients

3.2 Mixtures

This product is composed of a combination of three components, body (article), pen tip (article), and ink (mixture).

Body (Article): PP

Pen Tip (Article): PE / POM

Ink (Mixture): The ink is a mixture and the composition is as follows. Vary by colors.

Chemical Name	Chemical formula	CAS number	Concentration (wt%)
Water	H ₂ O	7732-18-5	Trade secret
Propane-1,2-diol	C ₃ H ₈ O ₂	57-55-6	Trade secret
Glycerol	C ₃ H ₈ O ₃	56-81-5	Trade secret
pigment	-	-	Trade secret
Other	-	-	-

SECTION 4: First aid measures

4.1 Description of first aid measures

- General information: This product is marking pen for paper. Avoid any other uses.
- Following inhalation: Remove victim to fresh air. Get medical advice/attention, if you feel unwell.
- Following skin contact: Wash with soap and water.
- Following eye contact: Rinse cautiously with water for several minutes. Get medical advice/attention, if you feel unwell.
- Following ingestion: Rinse mouth. Get medical advice/attention, if you feel unwell.
- Self-protective of the first aider: No data available

4.2 Most important symptoms and effects, both acute and delayed: No data available

4.3 Indication of any immediate medical attention and special treatment needed: No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media: Dry chemical powder, CO₂, foam, sands, water spray
- Unsuitable extinguishing media: No data available

5.2 Special hazards arising from the substance or mixture: No data available

5.3 Advice for firefighters: No data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- 6.1.1 For non-emergency personnel: Avoid contact with skin and eyes. Ensure adequate ventilation.
- 6.1.2 For emergency responders: No data available

6.2 Environmental precautions: Avoid discharge into water courses or onto the ground.

6.3 Methods and material for containment and cleaning up

- 6.3.1 For containment: Wipe off with waste cloths.
- 6.3.2 For cleaning up: Wipe off with waste cloths.

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- 6.3.3 Other information: No data available
- 6.4 Reference to other sections: No data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Protective measures: Avoid contact with skin and eyes.
- Measures to prevent fire: Keep away from heat, sparks and open flame.
- Measures to prevent aerosol and dust generation: No data available
- Measures to protect the environment: Avoid discharge into water courses or onto the ground.
- Advice on general occupational hygiene: Avoid contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities

- Technical measures and storage conditions: Put the cap. Avoid high temperature. Keep away from heat, sparks and open flame.
- Packaging materials: This product is composed of a combination of three components, body (article), pen tip (article), and ink (mixture), and the body contains the mixture.
- Requirements for storage rooms and vessels: Avoid high temperature. Keep away from heat, sparks and open flame.

7.3 Specific end use(s)

- Recommendations: Marking pen for paper

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- Occupational exposure limit: No data available

8.2 Exposure controls

- 8.2.1 Appropriate engineering controls: Usually, it is unnecessary.
- 8.2.2 Personal protective equipment: No data available
- 8.2.3 Environmental exposure controls: No data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- a) Appearance

Physical state:	Liquid
Color:	Various colors
b) Odor:	Little
c) Odor threshold:	No data available
d) pH:	No data available
e) Melting point:	No data available
f) Initial boiling point and boiling range:	No data available
g) Flash point:	No data available
h) Evaporation rate:	No data available
i) Flammability:	No data available
j) Upper/lower flammability or explosive limits:	No data available
k) Vapor pressure:	No data available
l) Vapor density:	No data available
m) Relative density:	about 1
n) Solubility:	Can be diluted with water.
o) Partition coefficient: n-octanol/water:	No data available
p) Auto-ignition temperature:	No data available
q) Decomposition temperature:	No data available
r) Viscosity:	No data available
s) Explosive properties:	No data available
t) Oxidizing properties:	No data available
9.2 Other information:	No data available

SECTION 10: Stability and Reactivity

10.1 Reactivity:	Stable usually.
10.2 Chemical stability:	Stable usually.
10.3 Possibility of hazardous reactions:	No data available
10.4 Conditions to avoid:	Heat, spark, and open flame
10.5 Incompatible materials:	No data available
10.6 Hazardous decomposition products:	No data available

SECTION 11: Toxicological information

Acute toxicity:	57-55-6:	LD50 Oral - Rat - 20,000 mg/kg [1] LD50 Dermal - Rabbit - 20,800 mg/kg [1] LD50 Intramuscular - Rat - 14 g/kg [1] LD50 Intravenous - Dog - 26 g/kg [1] LD50 Intraperitoneal - Rat - 6,660 mg/kg [1] LD50 Subcutaneous - Rat - 22,500 mg/kg [1]
	56-81-5:	LD50 Intravenous - Rat - 6,423 mg/kg [1] LD50 Oral - Rat - 12,600 mg/kg LD50 Dermal - Rabbit - > 10,000 mg/kg

Skin corrosion/Irritation:	57-55-6: 56-81-5:	Skin – Human, Result: Mild skin irritation - 7 d [1] Skin – Rabbit, Result: Mild skin irritation - 24 h [1]
Serious eye damage/eye irritation:	57-55-6: 56-81-5:	Eyes – Rabbit, Result: Mild eye irritation [1] Eyes – Rabbit, Result: Mild eye irritation - 24 h [1]
Respiratory or skin sensitization:	No data available	
Germ cell mutagenicity:	No data available	
Carcinogenicity:		
IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.	
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.	
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.	
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	
Reproductive toxicity:	No data available	
Specific target organ toxicity - single exposure:	No data available	
Specific target organ toxicity - repeated exposure:	No data available	
Aspiration hazard:	No data available	

SECTION 12: Ecological information

12.1	Toxicity: Toxicity to fish	57-55-6: Toxicity to fish mortality NOEC - Pimephales promelas (fathead minnow) - 52,930 mg/l - 96 h [1]
	Toxicity to daphnia and other aquatic invertebrates mortality	57-55-6: NOEC - Daphnia (water flea) - 13,020 mg/l - 48 h [1] EC50 - Daphnia magna (Water flea) - > 10,000 mg/l - 48 h [1]
12.2	Persistence and degradability:	No data available
12.3	Bioaccumulative potential:	No data available
12.4	Mobility in soil:	No data available
12.5	Results of PBT and vPvB assessment:	No data available
12.6	Other adverse effects:	No data available

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- 13.1.1 Product / Packaging disposal:
- Dispose of contents/container in accordance with local/regional/national/international regulation.
- 13.1.2 Waste treatment-relevant information: No data available
- 13.1.3 Sewage disposal-relevant information: No data available
- 13.1.4 Other disposal recommendations: No data available

SECTION 14: Transport Information

This product is not classified as a hazardous material by United Nations Recommendations on the Transport of Dangerous Goods.

- 14.1 UN number: Not Classified
- 14.2 UN proper shipping name: Not Classified
- 14.3 Transport hazard class: Not Classified
- 14.4 Packing group: Not Classified
- 14.5 Environmental hazards: Not Classified
- 14.6 Special precautions for user: No data available

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Federal regulations

- TSCA status: All materials are listed on Inventory.
- CERCLA (40 CFR 302): None
- Clean Water Act (40 CFR 116): None
- Clean Air Act Amendments of 1990 (40 CFR 82): None
- SARA Section 302 (40 CFR 355): None
- SARA Section 313 (40 CFR 372): None
- SARA Section 311/312 (40 CFR 370): 56-81-5: Chronic Health Hazard

State regulations

California Safe Drinking Water and Toxics Enforcement Act of 1986 (Proposition 65):

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Massachusetts Right To Know Components:

Glycerol(56-81-5) is listed.

New Jersey Right To Know Components:

Water (7732-18-5), Propane-1,2-diol(57-55-6), Glycerol(56-81-5) are listed.

Pennsylvania Right To Know Components:

Water (7732-18-5), Propane-1,2-diol(57-55-6), Glycerol(56-81-5) are listed.

Please refer to any other regulations in the U.S.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other information

References: [1] SDS of Sigma-Aldrich

The above information is as of the date of issue, and is based on our present knowledge. However, the information shall not constitute any guarantees for any specific product features, and shall not establish any legally valid contractual relationships.