

## SAFETY DATA SHEET

First Issue: Mar. 1, 2019  
Revised Date: Aug. 2, 2019

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

- 1.1 Product identifiers  
Product name: ABT PRO  
Product code: XAAB-TP\*\*\* (56850-56957)
- 1.2 Relevant identified uses of the substance or mixture and uses advised against  
General use: Marking for plastic, glass and 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 29 CFR 1910 (OSHA HCS)
- All colors:  
Specific target organ toxicity - single exposure (Category 3(Narcotic effects))  
Specific colors 1 (633,636,679,703,743,755,757,837,839,848,856,879,905,907,925):  
Flammable liquids (Category 2)  
Other than Specific colors 1:  
Flammable liquids (Category 3)  
Specific colors 2 (925):  
Skin irritation (Category 2)  
Specific colors 3 (845,847):  
Serious eye damage (Category 1)  
Specific colors 4 (Other than N00,845,847):  
Eye irritation (Category 2)  
Specific colors 5 (158,528,539,565,817):  
Skin sensitisation (Category 1)  
Specific colors 6 (565,606,685,815,845,847,879,905,925,947,969):

Hazard to the aquatic environment, chronic hazard (Category 3)

## 2.2 Label elements

Labelling according to 29 CFR 1910 (OSHA HCS)

Hazard pictograms:



All colors:

Specific colors 3:

Signal words: Specific colors 1,3: Danger

Other than Specific colors 1,3: Warning

Hazard statement:

All colors:	H336	May cause drowsiness or dizziness.
Specific colors 1:	H225	Highly Flammable liquid and vapour
Other than Specific colors 1:	H226	Flammable liquid and vapor.
Specific colors 2:	H315	Causes skin irritation
Specific colors 3:	H318	Causes serious eye damage
Specific colors 4:	H319	Causes serious eye irritation
Specific colors 5:	H317	May cause an allergic skin reaction
Specific colors 6:	H412	Harmful to aquatic life with long lasting effects

Precautionary statements:

All colors:

- P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse SKIN with water/shower.
- P304+P340 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P312 Call POISON CENTER or doctor/physician if you feel unwell.
- P370+P378 In case of fire: Use dry chemical powder, CO<sub>2</sub>, foam, sands, water spray for extinction.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

Specific colors 2:

- P264 Wash hands thoroughly after handling.
- P302+P352 IF ON SKIN: wash with plenty of soap and water.
- P332+P313 IN SKIN irritation occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.

Specific colors 3:

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.

Specific colors 4:

P264 Wash eyes thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 IF eye irritation persists: Get medical advice/attention.

Specific colors 5:

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

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

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

P362+P364 Take off contaminated clothing and wash it before reuse.

Specific colors 6:

P273 Avoid release to the environment.

### **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

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

Body (Article): PP and others

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

Chemical Name	Chemical formula	CAS number	Concentration (wt%)
Ethanol	C <sub>2</sub> H <sub>6</sub> O	64-17-5	Trade secret
1-Methoxy-2-propanol	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	107-98-2	Trade secret
1-Propanol	C <sub>3</sub> H <sub>8</sub> O	71-23-8	Trade secret
2-Propanol	C <sub>3</sub> H <sub>8</sub> O	67-63-0	Trade secret
Others	-	-	-

### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

General information: This product is a marking pen, and use is just a marking for plastic, glass and 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.

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

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**SECTION 5: Firefighting measures**

- 5.1 Extinguishing media
- Suitable extinguishing media: Dry chemical powder, CO<sub>2</sub>, foam, sands, water spray.
- Unsuitable extinguishing media: No data available.
- 5.2 Special hazards arising from the substance or mixture: Carbon oxides
- 5.3 Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

**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. Avoid inhalation. Ensure adequate ventilation.
- 6.1.2 For emergency responders: Protective equipments are gloves and goggles.
- 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.

**SECTION 7: Handling and storage**

- 7.1 Precautions for safe handling
- Protective measures: Put the cap. Please use only for writing. Ensure adequate ventilation. 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 body (article) and ink (mixture), and the body contains the mixture.

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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 for plastic, glass and 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's 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 (Ink)

Color:

Various colors (Ink)

b) Odor:

Solvent odor (Ink)

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 (solid):

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:

No data available

n) Solubility:

No data available

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) Oxidising properties:

No data available

9.2 Other information:

No data available

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**SECTION 10: Stability and Reactivity**

10.1	Reactivity:	Stable usually.
10.2	Chemical stability:	Stable usually.
10.3	Possibility of hazardous reactions:	Vapors may form explosive mixture with air.
10.4	Conditions to avoid:	Heat, spark, and open flame
10.5	Incompatible materials:	Oxidizing agent
10.6	Hazardous decomposition products:	CO

**SECTION 11: Toxicological information**

Acute toxicity:	Mixture:	Not classified or Cannot be classified
Skin corrosion/Irritation:	Mixture:	Specific colors 2: Category 2 Other than Specific colors 2: Not classified or Cannot be classified
Serious eye damage/eye irritation:	Mixture:	Specific colors 3: Category 1 Specific colors 4: Category 2 Other than Specific colors 3,4: Not classified or Cannot be classified
Respiratory or skin sensitization:	Mixture:	Specific colors 5: Category 1 (Skin) Other than Specific colors 5: Not classified or Cannot be classified
Germ cell mutagenicity:	Mixture:	Not classified or Cannot be classified
Carcinogenicity:	Mixture:	Not classified or Cannot be classified
Reproductive toxicity:	Mixture:	Not classified or Cannot be classified
Specific target organ toxicity - single exposure:	Mixture:	Category 3(Narcotic effects)
Specific target organ toxicity - repeated exposure:	Mixture:	Not classified or Cannot be classified
Aspiration hazard:	Mixture:	Not classified or Cannot be classified

**SECTION 12: Ecological information**

12.1	Toxicity:	Mixture:	Specific colors 6: Category 3 (Chronic) Other than Specific colors 6: Not classified or Cannot be classified
12.2	Persistence and degradability:	No data available	
12.3	Bioaccumulative potential:	No data available	

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- 12.4 Mobility in soil: No data available
- 12.5 Results of PBT and vPvB assessment:  
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
- 12.6 Other adverse effects: No data available

**SECTION 13: Disposal considerations**

- 13.1 Waste treatment methods  
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: 3175
- 14.2 UN proper shipping name: SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
- 14.3 Transport hazard class: 4.1
- 14.4 Packing group: Specific colors 1: II Other than Specific colors 1: III
- 14.5 Environmental hazards: Not Classified
- 14.6 Special precautions for user: Although the product meets the definition of UN3175, it is exempt as a small sealed article or packet containing <10ml of fully absorbed liquid. Not restricted as per SP216, A46.

**SECTION 15: Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
Observe local/regional/national/international regulation.
- 15.2 Chemical Safety Assessment  
No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**SECTION 16: Other information**

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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.