

MATERIAL SAFETY DATA SHEET

According to European 91/155/EEC

Date: 8/30/2013

Product: WASHABLE INKS

Yellow Brown-Y8	Dusky Blue-B6	Light Dusk Blue-B13
Rust Brown-C3	Blue Gray-B14	Pink-P2
Caramel Brown-Y3	Ocean Blue-B3	Lemon Yellow-Y2S
Dusky Green-G1	Cool Blue-B15	Light Lemon Yellow- Y2
Dusty Red-P6	Light Ocean Blue-B7	Lime Green- G4
Dark Green-G3	Green-G3S	Light Brown-R3
Burgundy red-R10	Grey-BL1	Mauve-V2
Light Blue-B2	Violet Pink-P5S	Pale Green-G14
Black-BL2	Light Magenta-V9S	Light Yellow-Y1S
Purple-V1	Magenta-V3S	Blue-B4
Dark Violet-V3	Orange-R11	Pale Pink-P14
Violet-V7	Lemon Green-Y9S	Red-R2
Light Violet-V8	Grass Green-G5	Brown-C1
Peach Pink-P12	Dark Jade Green-G13	Light Purple-V4
Bright Pink-P5	Jade Green-B9	Sky Blue-B12
Cool Grey-BL8	Dark Orange-R1	Dark Golden Red-CL
Yellow Green-G5S	Maroon-R4	Dark Burly Wood-CL1
Yellow-Y1	Bright Carol-R5SB	Dark Tan-CL2
Light Flesh-Y6	Flesh-R9	
Dark Flesh-R6	Light Carol-P7	
Yellow Ochre-Y3S	Bright Pink-P10	
Dark Banana-Y4	Carol-C2	
Banana-Y4S	Burly Wood-C7	

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Washable Inks
Supplier Name:	YTO PEN Enterprise Co., Ltd.
Address:	No. 63-65 Chien 3 rd Rd., Chung Ho Dist. New Taipei City, Taiwan235
Telephone Number:	+886-2-2222-5867
Recommended Use:	Concentrate to be diluted with water to make Inks for writing pens/markers with less than 2ml of ink fill.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Nature:	Mixture based on water, glycol and non-hazardous proprietary dyes.
Constituents:	Water, glycol, colorants

These inks meet the EU Toy Safety Standards EN71.3

3. HAZARDS IDENTIFICATION

MOST IMPORTANT HAZARDS:	
Adverse human health effects:	Harmful if swallowed, mildly irritating to eyes and skin.
Environmental effects:	Product degrades rapidly in the environment. Low aquatic toxicity.
Physical and chemical hazards:	
-Fire or explosion:	Burning and thermal decomposition may form toxic by products.
Classification of the product:	According to European regulations, this product is classified as: non hazardous.
Further information:	In a usual writing situation, quantities of ink laid down or vapors emitted by the pen are normally too small to occasion significant exposure and cause adverse effects on the user's health.

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4. FIRST AID MEASURES

Inhalation:	Move the affected person away from the contaminated area and into fresh air.
Skin Contact:	Immediately wash and rinse with plenty of water
Eye Contact:	Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15min. minimum) Always refer to an eye specialist, even if there are no immediate symptoms.
Ingestion:	Never attempt to induce vomiting. Call a doctor immediately.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Carbon dioxide (CO ₂) Foam Powders
Not suitable extinguishing media:	Non to our knowledge. If there is a fire close by, use suitable extinguishing agents.
Specific hazards:	During combustion: will not burn
Specific fire fighting methods:	Do not attempt to fight the fire without suitable protective equipment
Protection of fire-fighter:	Self-contained breathing apparatus. Complete protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid contact with skin and eyes.
Environmental precautions:	Do not discharge into drains and rivers.
Methods for cleaning up:	
-Neutralization:	Absorb spillage with: - insert absorbent material - earth or sand
-Cleaning / decontamination:	Wash non-recoverable remainder with large amounts of water.
-Disposal:	Dispose of contaminated materials in accordance

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with current regulations.

7. HANDLING AND STORAGE

HANDLING

Precautions:

Avoid any direct contact with the product.
Work in a well-ventilated area.

STORAGE

Storage conditions:

-Recommended:

Store:

- in a cool, well-ventilated area
 - the container tightly closed
- Strong oxidizing agents

Incompatible materials:

Packaging materials:

-Not suitable:

Unprotected steel or tin cans

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits:

Not established

Personal protective equipment:

- Respiratory protection:

Not required

- Hand protection:

Protective gloves to prevent skin staining

- Eye protection:

Safety glasses

- Skin and body protection:

overalls or apron to prevent

Collective emergency equipment:

Eye fountain

Safety shower

Hygiene measures:

Do not drink, eat or smoke in the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:

Low viscosity liquid

Color:

Refer to §1.

Odour:

None

pH:

6-9

Flammability characteristics:

-Flash point:

non-flammable water based ink

-Auto-ignition temperature:

not applicable

Explosive limits in air:

-Lower:

not applicable

-Upper:

not applicable

Vapour density (air=1):

not known

Solubility:

-In water:

Complete

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10. STABILITY AND REACTIVITY

Stability:

Stable at ambient temperature and under normal conditions of use.

Hazardous reactions:

- Conditions to avoid:

None

- Materials to avoid:

- incompatible with strong oxidizing agents, peroxides, acids, acid chlorides, acid anhydrides, alkali metals, ammonia.

- Hazardous decomposition

Products:

On combustion releases:

Carbon oxides (CO, CO₂)

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

none known

Acute symptoms:

On ingestion: nausea, vomiting

Local effects:

Repeated or prolonged contact may cause slight irritation to the skin.

Eye contact: may cause mild pain and irritation.

Further information:

Above information is for the ink. The ink will be contained in plastic tube of a small capacity pen which will limit considerably the exposure possibilities for the user.

12. ECOLOGICAL INFORMATION

Product as is:

Avoid discharge of the product into the environment.

ECOTOXICITY:

Effects on the aquatic environment:

Chemicals used in this product are of low aquatic toxicity.

13. DISPOSAL CONSIDERATIONS

WASTE FROM PRODUCT:

Destruction/Disposal:
regulations.

Dispose of in accordance with relevant local

CONTAMINATED PACKAGING:

Destruction/Disposal:

Destroy at an authorized site.

NOTE:

The user's attention is drawn to the possible existence of specific European, national or local regulations regarding disposal.

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14. TRANSPORT INFORMATION

INTERNATIONAL REGULATIONS: Non Hazardous; Not regulated for transport.

15. REGULATORY INFORMATION

EC LABELING:

none

Symbols and indications if danger:

-S phrases:

S2: Keep out of the reach of children

S24: Avoid contact with skin

S25: Avoid contact with eyes

S26: In case of contact with eyes, rinse

Immediately with plenty of water and seek
medical advice

S36: Wear suitable protective clothing

S37: Wear suitable gloves

16. OTHER INFORMATION

Restrictions on use:

This product must not be used for other
applications than those mentioned in §1.

Safety data sheet established by:

Diana Liu/ General Manager