



MATERIAL SAFETY DATA SHEET

Water Erasable Paint Marker Ink (WEWC-XXXX)

00874-XXXX

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: WEWC series include: WEWC-2100 White, WEWC-2110 Yellow
WEWC-2120 Green, WEWC-2130 Orange, WEWC-2140 Red
WEWC-2150 Blue, WEWC-2160 Violet, WEWC-2170 Pink,
WEWC-1080 Black, WEWC-2190 Sky Blue

Chemical Family: A mixture of Titanium Dioxide/Organic Pigments
in Acrylic Styrene Copolymer

Manufacturer Company Identification

B&P Chemicals (HK) Company Limited
Room 18, 4F, Hing Wah Center,
82-84 To Kwa Wan Road,
Kowloon, Hong Kong
Emergency Phone: 0852-27546337
Fax: 0852-27546351
E-mail: sales@artistchem.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

The health hazards of this product should be none under normal commercial uses. No dangerous substances present according to Directive 1999/45/EC. But oral ingestion should not be permitted. To protect the environmental, the material must be diluted with plenty of water before entering soil or surface water.

POTENTIAL HEALTH EFFECTS

EYE:

May cause slight irritation. No hazards expected in normal use.

SKIN:

No observable irritation on skin under repeated use except some allergic reaction occur.

INHALATION:

No volatile hazards found under normal commercial uses

**INGESTION:**

No data available but expected there will be no acute health hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS**Reportable Ingredients****TRADE NAME: WHITE WEWC 2100.**

| <u>Chemical Name</u> | <u>Max. Amount</u> | <u>CAS Number</u> |
|--|--------------------|-------------------|
| Water | Add up 100.00% | 7732-18-5 |
| Titanium Dioxide | 20.00% | 13463-67-7 |
| Glycerine | 15.00% | 56-81-5 |
| Acrylic Styrene Copolymer | 10.00% | 25085-34-1 |
| Preservative include:- | | |
| 5-chloro-2-methyl-4-isothiazolin-3-one | <5.75 ppm | 26172-55-4 |
| 2-methyl-4-isothiazolin-3-one | <1.75 ppm | 2682-20-4 |

TRADE NAME: YELLOW WEWC 2110.

| <u>Chemical Name</u> | <u>Max. Amount</u> | <u>CAS Number</u> |
|--|--------------------|-------------------|
| Water | Add up 100.00% | 7732-18-5 |
| Titanium Dioxide | 12.00% | 13463-67-7 |
| Pigment Yellow 83 | 8.00% | 5567-15-7 |
| Glycerine | 15.00% | 56-81-5 |
| Acrylic Styrene Copolymer | 10.00% | 25085-34-1 |
| Preservative include:- | | |
| 5-chloro-2-methyl-4-isothiazolin-3-one | <5.75 ppm | 26172-55-4 |
| 2-methyl-4-isothiazolin-3-one | <1.75 ppm | 2682-20-4 |

TRADE NAME: GREEN WEWC 2120

| <u>Chemical Name</u> | <u>Max Amount</u> | <u>CAS Number</u> |
|--|-------------------|-------------------|
| Water | Add up 100.00% | 7732-18-5 |
| Glycerine | 15.00% | 56-81-5 |
| Titanium Dioxide | 12.00% | 13463-67-7 |
| Acrylic Styrene Copolymer | 10.00% | 25085-34-1 |
| Pigment Green | 9.00% | 1328-53-6 |
| Preservative include:- | | |
| 5-chloro-2-methyl-4-isothiazolin-3-one | <5.75ppm | 26172-55-4 |
| 2-methyl-4-isothiazolin-3-one | <1.75ppm | 2682-20-4 |

TRADE NAME: ORANGE WEWC 2130.

| <u>Chemical Name</u> | <u>Max. Amount</u> | <u>CAS Number</u> |
|--|--------------------|-------------------|
| Water | Add up 100.00% | 7732-18-5 |
| Titanium Dioxide | 12.00% | 13463-67-7 |
| Pigment Yellow 83 | 4.00% | 5567-15-7 |
| Pigment Red 112 | 4.00% | 6535-46-2 |
| Glycerine | 15.00% | 56-81-5 |
| Acrylic Styrene Copolymer | 10.00% | 25085-34-1 |
| Preservative include:- | | |
| 5-chloro-2-methyl-4-isothiazolin-3-one | <5.75 ppm | 26172-55-4 |
| 2-methyl-4-isothiazolin-3-one | <1.75 ppm | 2682-20-4 |

TRADE NAME: RED WEWC 2140

| <u>Chemical Name</u> | <u>Max Amount</u> | <u>CAS Number</u> |
|--|-------------------|-------------------|
| Water | Add up 100.00% | 7732-18-5 |
| Glycerine | 15.00% | 56-81-5 |
| Titanium Dioxide | 12.00% | 13463-67-7 |
| Acrylic Styrene Copolymer | 10.00% | 25085-34-1 |
| Pigment Red 112 | 8.00% | 6535-46-2 |
| Preservative include:- | | |
| 5-chloro-2-methyl-4-isothiazolin-3-one | <5.75ppm | 26172-55-4 |
| 2-methyl-4-isothiazolin-3-one | <1.75ppm | 2682-20-4 |

TRADE NAME: BLUE WEWC 2150

| <u>Chemical Name</u> | <u>Max Amount</u> | <u>CAS Number</u> |
|--|-------------------|-------------------|
| Water | Add up 100.00% | 7732-18-5 |
| Glycerine | 15.00% | 56-81-5 |
| Titanium Dioxide | 12.00% | 13463-67-7 |
| Acrylic Styrene Copolymer | 10.00% | 25085-34-1 |
| Pigment Blue 15:1 | 4.00% | 147-14-8 |
| Pigment Blue 15:3 | 4.00% | 147-14-8 |
| Preservative include:- | | |
| 5-chloro-2-methyl-4-isothiazolin-3-one | <5.75ppm | 26172-55-4 |
| 2-methyl-4-isothiazolin-3-one | <1.75ppm | 2682-20-4 |

TRADE NAME: VIOLET WEWC 2160.

| <u>Chemical Name</u> | <u>Max Amount</u> | <u>CAS Number</u> |
|--|-------------------|-------------------|
| Water | Add up 100.00% | 7732-18-5 |
| Glycerine | 15.00% | 56-81-5 |
| Titanium Dioxide | 12.00% | 13463-67-7 |
| Acrylic Styrene Copolymer | 10.00% | 25085-34-1 |
| Pigment Violet 23R | 8.00% | 6358-30-1 |
| Preservative include:- | | |
| 5-chloro-2-methyl-4-isothiazolin-3-one | <5.75ppm | 26172-55-4 |
| 2-methyl-4-isothiazolin-3-one | <1.75ppm | 2682-20-4 |

TRADE NAME: PINK WEWC2170

| <u>Chemical Name</u> | <u>Max Amount</u> | <u>CAS Number</u> |
|--|-------------------|-------------------|
| Water | Add up 100.00% | 7732-18-5 |
| Glycerine | 15.00% | 56-81-5 |
| Titanium Dioxide | 12.00% | 13463-67-7 |
| Acrylic Styrene Copolymer | 10.00% | 25085-34-1 |
| Pigment Pink 122 | 3.00% | 980-26-7 |
| Preservative include:- | | |
| 5-chloro-2-methyl-4-isothiazolin-3-one | <5.75ppm | 26172-55-4 |
| 2-methyl-4-isothiazolin-3-one | <1.75ppm | 2682-20-4 |

TRADE NAME: BLACK WEWC2180

| <u>Chemical Name</u> | <u>Max Amount</u> | <u>CAS Number</u> |
|--|-------------------|-------------------|
| Water | Add up 100.00% | 7732-18-5 |
| Titanium Dioxide | 12.00% | 13463-67-7 |
| Glycerine | 15.00% | 56-81-5 |
| Acrylic Styrene Copolymer | 10.00% | 25085-34-1 |
| Pigment Black 7 | 15.000% | 1333-86-4 |
| Preservative include:- | | |
| 5-chloro-2-methyl-4-isothiazolin-3-one | <5.75ppm | 26172-55-4 |
| 2-methyl-4-isothiazolin-3-one | <1.75ppm | 2682-20-4 |

TRADE NAME: SKY BLUE WEWC 2190

| <u>Chemical Name</u> | <u>Max Amount</u> | <u>CAS Number</u> |
|--|-------------------|-------------------|
| Water | Add up 100.00% | 7732-18-5 |
| Glycerine | 15.00% | 56-81-5 |
| Titanium Dioxide | 12.00% | 13463-67-7 |
| Acrylic Styrene Copolymer | 10.00% | 25085-34-1 |
| Pigment Blue 15:3 | 4.00% | 147-14-8 |
| Preservative include:- | | |
| 5-chloro-2-methyl-4-isothiazolin-3-one | <5.75ppm | 26172-55-4 |
| 2-methyl-4-isothiazolin-3-one | <1.75ppm | 2682-20-4 |

4. FIRST AID MEASURES**EYE CONTACT FIRST AID:**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

SKIN CONTACT FIRST AID:

In case of skin reddish occurs due to allergic reactions, immediately flush skin with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

INHALATION FIRST AID:

Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen. Get medical attention if enough or other symptoms develop.

INGESTION FIRST AID:

If swallowed, immediately give 2 glasses of water or 2 cups of milk. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES**FLAMMABLE PROPERTIES**

This is NOT a flammable liquid or do NOT support combustion
Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

**EXTINGUISHING MEDIA:**

Water, carbon dioxide, foam or dry powder in case of fire accident

FIRE & EXPLOSION HAZARDS:

No known unusual hazards in a fire/explosion situation.

FIRE FIGHTING INSTRUCTIONS:

Evacuate non-emergency personnel to a safe area. Avoid breathing smoke, fumes, and decomposition products. As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**SAFEGUARDS (PERSONNEL):**

Wear appropriate personal protective equipment.

SPILL PROCEDURE:

Take up and place in secure closed containers. All waste materials should be packaged, labeled and transported in accordance with all national, state/provincial, and local requirements.

INITIAL CONTAINMENT:

Contain spilled material. Absorb spills with inert material. Wash area to prevent slipping.

7. HANDLING AND STORAGE**HANDLING (PERSONNEL)**

Do not get in eyes, on skin or clothing. Wash hands thoroughly after handling.

HANDLING (PHYSICAL ASPECTS)

Avoid contact with strong oxidizing agents. Keep container closed to avoid contamination.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**EYE/FACE PROTECTION REQUIREMENTS:**

Wear safety glasses. Chemical goggles are recommended to avoid contact with eyes.

SKIN PROTECTION REQUIREMENTS:

Wear protective gloves to minimize skin contamination. Wash hands thoroughly after handling.

EXPOSURE GUIDELINES:

No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------|---|
| FORM: | Liquid |
| COLOR: | White, Yellow, Green, Orange, Red, Blue, Violet, Pink, ,Black, Sky Blue |
| ODOR: | Characteristic |
| SOLUBILITY IN WATER: | Complete |
| % VAPORIZATION: | 45 to 60 % (at 150 degree celcius) |

10. STABILITY AND REACTIVITY

STABILITY:

This product is stable at ambient conditions.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS

Avoid contact with strong oxidizing agents.

DECOMPOSITION:

Decomposition will not occur if handled and stored properly. In the case of a fire, oxides of carbon hydrocarbons, fumes and smoke may be produced.

11. TOXICOLOGICAL INFORMATION

No acute toxic effects were expected . All the substances in this preparation are NOT carcinogenic, mutagenic, no effect on reproductive organs of human under normal commercial uses.
No chronic toxic effects data are available for long term skin contact.

12. ECOLOGICAL INFORMATION

Biodegradability: >90% (OECD: TOC). The preparation is not expected to create environmental hazards except huge quantity of liquid dispose via sewage system.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

This material is a concentrated color. Avoid washing bulk quantity of material into sewer systems without proper treatment and authorization by the treatment facility management. All waste materials should be packaged, labeled and transported in accordance with all national, state/provincial and local requirements.



14. TRANSPORTATION INFORMATION

PRODUCT LABEL: WEWC-XXXX
D.O.T. SHIPPING NAME: Not regulated
D.O.T. HAZARD CLASS: Non-Hazardous

15. REGULATORY INFORMATION

CHEMICAL INVENTORY INFORMATION:

The components of this preparation are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). All of its components are also listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS)

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END OF MSDS
