



ZA MONTEPY 69210 FLEURIEUX SUR L'ARBRESLE - FRANCE

# MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

DESCRIPTION: Regular Washable Ink  
Form: water form  
APPLICATION: SHANGHAI HCRT INDUSTRIAL CO.,LTD..

MANUFACTURER/SUPPLIER INFORMATION

MSDS PREPARED BY:  
SHANGHAI HCRT INDUSTRIAL CO.,LTD.  
7<sup>th</sup> Building,89 Ji Feng Road, HuaCao Town, MingHang Dist, Shanghai, China.  
FOR ADDITIONAL HEALTH, SAFETY OR REGULATORY INTERNATIONAL  
PLS CALL: 86-21-6296 5738

2. COMPOSITION, INFORMATION ON INGREDIENTS

| COLOR      | FORMULA         | CAS NO     | %     | COLOR       | FORMULA         | CAS NO     | %     |
|------------|-----------------|------------|-------|-------------|-----------------|------------|-------|
| Red        | New coccine     | 2611-82-7  | 4.8   | Red Plum    | New coccine     | 2611-82-7  | 1.33  |
|            | Tartrazine      | 1934-21-0  | 0.2   |             | Tartrazine      | 1934-21-0  | 0.9   |
|            | glycerin        | 56-81-5    | 10    |             | glycerin        | 56-81-5    | 10    |
|            | Sodium Benzoate | 532-32-1   | 0.1   |             | Sodium Benzoate | 532-32-1   | 0.1   |
|            | H2O             | 7732-18-15 | 84.9  |             | H2O             | 7732-18-15 | 87.67 |
| Rose red   | New coccine     | 2611-82-7  | 1.25  | Grass Green | Tartrazine      | 1934-21-0  | 1.56  |
|            | Acid Red        | 5413-75-2  | 0.28  |             | Acid Blue 9     | 2650-18-2  | 0.5   |
|            | glycerin        | 56-81-5    | 10    |             | glycerin        | 56-81-5    | 10    |
|            | Sodium Benzoate | 532-32-1   | 0.1   |             | Sodium Benzoate | 532-32-1   | 0.1   |
|            | H2O             | 7732-18-15 | 88.37 |             | H2O             | 7732-18-15 | 87.84 |
| Purple     | New coccine     | 2611-82-7  | 3.3   | Yellow      | Tartrazine      | 1934-21-0  | 3.8   |
|            | Acid Blue 9     | 2650-18-2  | 0.45  |             | glycerin        | 56-81-5    | 10    |
|            | glycerin        | 56-81-5    | 10    |             | Sodium Benzoate | 532-32-1   | 0.1   |
|            | Sodium Benzoate | 532-32-1   | 0.1   |             | H2O             | 7732-18-15 | 86.1  |
|            | H2O             | 7732-18-15 | 86.15 |             |                 |            |       |
| Light Blue | Pigment Blue 78 | 68921-42-6 | 1.2   | Dark Blue   | New coccine     | 2611-82-7  | 0.2   |
|            |                 |            |       |             | Pigment Blue 78 | 68921-42-6 | 4     |
|            | glycerin        | 56-81-5    | 10    |             | glycerin        | 56-81-5    | 10    |

|                 |            |      |
|-----------------|------------|------|
| Sodium Benzoate | 532-32-1   | 0.1  |
| H2O             | 7732-18-15 | 88.7 |

|                 |            |      |
|-----------------|------------|------|
| Sodium Benzoate | 532-32-1   | 0.1  |
| H2O             | 7732-18-15 | 85.7 |

|      |                 |            |      |
|------|-----------------|------------|------|
| Pink | New cocchine    | 2611-82-7  | 1    |
|      | tartrazine      | 1934-21-0  | 1    |
|      | Pigment Blue 78 | 68921-42-6 | 2    |
|      | glycerin        | 56-81-5    | 10   |
|      | Sodium Benzoate | 532-32-1   | 0.1  |
|      | H2O             | 7732-18-15 | 85.9 |

|       |                 |            |      |
|-------|-----------------|------------|------|
| Black | New cocchine    | 2611-82-7  | 4.5  |
|       | tartrazine      | 1934-21-0  | 2.2  |
|       | Acid Blue 9     | 2650-18-2  | 3    |
|       | glycerin        | 56-81-5    | 10   |
|       | Sodium Benzoate | 532-32-1   | 0.1  |
|       | H2O             | 7732-18-15 | 80.2 |

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

#### HMIS RATING SYSTEM

**Health: 1**

**Flammability: 0**

**Reactivity: 0**

#### NFPA RATING SYSTEM

**Health: 1**

**Flammability: 0**

**Reactivity: 0**

**TARGET ORGANS:Respiratory Tract; Eyes; Skin; Liver; Kidneys; Bladder; Nervous System;Lungs;**

#### POTENTIAL IMMEDIATE EFFECTS FROM OVEREXPOSURE

EYE CONTACT: IF SPLASHED INTO THE EYES, PLEASE CLEAN IT WITH WARM WATER.

SKIN CONTACT: WASH WITH PLENTY OF WARM WATER.

SKIN ABSORPTION: NONE

INHALATION: NONE

INGESTION: IF SWALLOWED, THE FORMULATION AS SUPPLIED IS UNLIKELY TO CAUSE ANY ADVERSE EFFECTS.

### 4. FIRST- AID MEASURES

EYES: IF SPLASHED INTO THE EYES, PLEASE CLEAN IT WITH WARM WATER.

SKINS: WASH WITH PLENTY OF WARM WATER.

INGESTION: IF SWALLOWED, THE FORMULATION AS SUPPLIED IS UNLIKELY TO CAUSE ANY ADVERSE EFFECTS.

### 5. FIRE FIGHTING MEASURES

#### FLAMMABILITY DATA

FLASH POINT : >55 C

AUTOIGNITION TEMPERATURE ESTIMATED FROM INGREDIENTS: > 410 C

GENERAL HAZARDS:NONE

FIRE FIGHTING INSTRUCTIONS: NONE

### 6. ACCIDENTAL RELEASE MEASURES

#### SPILL CLEAN-UP PROCEDURES

IF SPILL, PLS USE WATER CLEAN-UP.

HEALTH CONSIDERATIONS AND PROTECTIVE EQUIPMENT INFORMATION ON THE SELECTION AND USE OF PERSONNEL PROTECTIVE EQUIPMENT IS FOUND IN SECTION 8 OF THIS MSDS.

### 7. HANDLING AND STORAGE

#### HANDLING

AVOID CONTACT WITH MATERIAL, AVOID BREATHING VAPORS, USE ONLY IN WELL VENTILATED AREA.

#### STORAGE

STORE IN A COOL, DRY PLACE. ISOLATE FROM INCOMPATIBLE MATERIALS.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

EXPOSURE: NEVER EXPOSURE IN THE AIR

VENTILATION: HANDLE IN THE PRESENCE OF ADEQUATE VENTILATION

RESPIRATORY PROTECTION: NOT NECESSARY

EYE PROTECTION: NOT NECESSARY

SKIN PROTECTION: NOT NECESSARY

RECOMMENDED DECONTAMINATION FACILITIES: EYES BATH, WASHING FACILITIES

#### EYE TOXICITY – NEAT PRODUCT

MAY IRRITATE THE EYE.

#### ORAL TOXICITY – NEAT PRODUCT

IF SWALLOWED, THE FORMULATION AS SUPPLIED IS UNLIKELY TO CAUSE ANY ADVERSE EFFECTS.

NOT TOXIC BY INGESTION.

#### INHALATION TOXICITY

IT IS UNLIKELY THAT INHALATION WILL BE A ROUTE OF EXPOSURE.

#### OVERALL SAFETY & COMPLIANCE COMMENTS

THIS TOY IS NOT CLASSIFIED AS A DANGEROUS PREPARATION AS PER THE HEALTH CRITERIA OF EUROPEAN DIRECTIVES 67/548/EEC AND 88/379/EEC. TAKING INTO ACCOUNT TYPICAL EXPOSURE OF CHILDREN DURING USE, THE TOY IS UNLIKELY TO CAUSE HARM.

THIS TOY COMPLIES WITH THE EU TOY SAFETY DIRECTIVE 88/378/EEC AS AMENDED BY COUNCIL DIRECTIVE 93/68/EEC AND AS IMPLEMENTED BY EN 71.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM: WATER FORM

COLOR: CLEAR LIQUID

ODOR: ODORLESS

VISCOSITY AT 25 °C: 50- 70Mpa.s

STORED –UP STABILITY (AT 24 MONTHS) PASSED.

PH: 6-8

WATER SOLUBILITY: 100% IN WATER (SLOWLY)

BOILING POINT: 100 °C

MELTING POINT: 64-65 °C

PERCENT VOLATILE ( WATER ) : 80%

SPECIFIC GRAVITY: 1.05 – 1.15

#### **10. STABILITY AND REACTIVITY**

STABILITY LIMITE: STORED – UP STABILITY AT ABOUT: 0 °C – 40 °C

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

KEEP FROM FREEZING.

STORE IN A COOL, DRY PLACE.

KEEP CONTAINERS TIGHTLY CLOSED.

#### **11. TOXICOLOGICAL INFORMATION**

THE FORMULATION IS REPRESENTATIVE OF PRODUCTS OF THIS TYPE.

ALL OF THE INGREDIENTS ARE WELL KNOWN AND HAVE A HISTORY OF SAFE USE IN THE MARKETPLACE WITH NO REPORTS OF A SIGNIFICANT NUMBER OF ADVERSE REACTIONS.

PROVIDED THE MANUFACTURE'S INSTRUCTIONS ARE FOLLOWED, THIS PRODUCT WILL GIVE USERS THE DEGREE OF SAFETY THAT THEY WOULD RIGHTFULLY EXPECT.

A PRODUCT BASED ON WIDELY USED AND WELL TOLERATED MATERIALS, THE COLOR IS PERMITTED IN COSMETIC PRODUCTS. USE OF THIS INK FORMULATION WOULD BE UNEVENTFUL.

##### **SKIN TOXICITY – NEAT PRODUCT**

NOT EXPECTED TO CAUSE SKIN IRRITATION FOLLOWING PROLONGED OR REPEATED USE.

EXPOSURE TO THIS PRODUCT IS UNLIKELY TO RESULT IN PHOTO-TOXIC EFFECTS.

UNLIKELY TO CAUSE SENSITISATION FOLLOWING REPEATED SKIN CONTACT.

UNLIKELY TO CAUSE DAMAGE TO INTERNAL ORGANS FOLLOWING SKIN CONTACT.

##### **EYE TOXICITY – NEAT PRODUCT**

MAY IRRITATE THE EYE.

##### **ORAL TOXICITY – NEAT PRODUCT**

IF SWALLOWED, THE FORMULATION AS SUPPLIED IS UNLIKELY TO CAUSE ANY ADVERSE EFFECTS.

NOT TOXIC BY INGESTION.

#### **12. ECOLOGICAL INFORMATION**

##### **GENERAL NOTES:**

WATER HAZARD CLASSIFICATION (SELF-ASSESSMENT): SLIGHTLY HAZARDOUS FOR WATER.

DO NOT ALLOW UNDILUTED PRODUCT OR LARGE QUANTITIES OF IT TO REACH GROUND WATER, WATER COURSE OR SEWAGE SYSTEM.

#### **13. DISPOSAL CONSIDERATIONS**

PRODUCT:

RECOMMENDATION: SMALLER QUANTITIES CAN BE DISPOSED OF WITH HOUSEHOLD WASTE.

UNCLEANED PACKAGINGS:

RECOMMENDATION: DISPOSAL MUST BE MADE ACCORDING TO OFFICIAL REGULATIONS

#### **14. TRANSPORT INFORMATION**

DOT REGULATIONS:

PROPER SHIPPING NAME: NONE

NON-HAZARDOUS FOR TRANSPORT:

THIS SUBSTANCE IS CONSIDERED TO BE NON-HAZARDOUS FOR TRANSPORT.

IATA:

NON-HAZARDOUS FOR AIR TRANSPORT: NON-HAZARDOUS FOR AIR TRANSPORT.

IMO:

NON-HAZARDOUS FOR SEA TRANSPORT: NON-HAZARDOUS FOR SEA TRANSPORT.

**15. REGULATORY INFORMATION**

SARA

SECTION 355(EXTREMELY HAZARDOUS SUBSTANCES):

NONE OF THE INGREDIENT IS LISTED

SECTION 313

TSCA(TOXIC SUBSTANCES CONTROL ACT):

ALL INGREDIENTS ARE LISTED

PROPOSITION 65

CHEMICALS KNOWN TO CAUSE CANCER:

NONE OF THE INGREDIENT IS LISTED

CHEMICALS KNOWN TO CAUSE REPRODUCTIVE TOXICITY FOR FEMALES:

NONE OF THE INGREDIENT IS LISTED

CHEMICALS KNOWN TO CAUSE REPRODUCTIVE TOXICITY FOR MALES:

NONE OF THE INGREDIENT IS LISTED

CHEMICALS KNOWN TO CAUSE DEVELOPMENTAL TOXICITY:

NONE OF THE INGREDIENT IS LISTED

CANCEROGENICITY CATEGORIES

EPA(ENVIRONMENTAL PROTECTION AGENCY)

NONE OF THE INGREDIENT IS LISTED

IARC(INTERNATIONAL AGENCY RESEARCH ON CANCER)

NONE OF THE INGREDIENT IS LISTED

NTP(NATIONAL TOXICOLOGY PROGRAM)

NONE OF THE INGREDIENT IS LISTED

TLV(THRESHOLD LIMIT VALUE ESTABLISHED BY ACGH)

NONE OF THE INGREDIENT IS LISTED

MAK(GERMAN MAXIMUM WORKPLACE CONCENTRATION)

NONE OF THE INGREDIENT IS LISTED

NIOSH-Ca(OCCUPATIONAL SAFETY & HEALTH)

NONE OF THE INGREDIENT IS LISTED

OSHA-Ca(OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION)

NONE OF THE INGREDIENT IS LISTED

CANADIAN SUBSTANCE LISTINGS:

CANADIAN DOMESTIC SUBSTANCE LIST(DSL)

ALL INGREDIENTS ARE LISTED

**16. OTHER INFORMATION**

PLACE OF MANUFACTURE: CHINA

**Date: 20 Sep, 2019**

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