

# Material Safety Data Sheet

**PSR-4000 G23K**

Identity (Trade Name As Used On Label)

## SECTION 1 - IDENTIFICATION

TAIYO INK (SUZHOU) CO.,LTD.

Manufacturer

No.26 Taishan Road,Suzhou New District,Suzhou City

Address

Jiangsu Province,P.R.China

'+86-512-6665-5550

Phone Number (For Information)

'+86-512-6665-5550

Emergency Phone Number

MSC-031002-A-02

MSDS Number\*

CAS Number\*

October 19th, 2005

Date Prepared

K.KURIHARA

Prepared By\*

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

## SECTION 2 - MATERIAL IDENTIFICATION AND INFORMATION

| COMPONENTS - Chemical Name & Common Names (Hazardous Components 1% or greater: Carcinogens 0.1% or greater) |                    | %    | OSHAP EL | ACGIH TLV | OTHER LIMITS RECOMMENDED |
|---|--------------------|------|----------|-----------|--------------------------|
| Heavy aromatic solvent naphtha (petroleum)  | CAS No. 64742-94-5 | < 12 | N.A.     | N.A.      | N.A.                     |
| Silica crystalline  | CAS No. 14808-60-7 | < 1  | N.A.     | N.A.      | N.A.                     |
| Light aromatic solvent naphtha (petroleum)  | CAS No. 64742-94-6 | < 1  | N.A.     | N.A.      | N.A.                     |
|   |                    |      |          |           |                          |
| Non-Hazardous Ingredients   |                    | > 86 |          |           |                          |
| Total   |                    | 100  |          |           |                          |

## SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

|                                      |                            |  |                    |
|--------------------------------------|----------------------------|--|--------------------|
| Boiling Point                        | 146°C                      | Specific Gravity (H <sub>2</sub> O = 1 ) | 1.4± 0.1           |
| Vapor Pressure (kPa and Temperature) | 0.27(38°C)                 | Melting Point                            | N.E.               |
| Field Limit                          | 1.2 ~ 7.5%                 | Solubility in Water                      | ≤ 12.7wt%          |
| Appearance and Oder                  | Green paste with Mild Odor | Flash Point and Method Used              | 73°C ( Seta C.C. ) |

## SECTION 4 - FIRE-FIGHTING MEASURES

|                                       |  |
|---------------------------------------|--|
| Suitable Extinguishing Media          | Carbon dioxide, Foam, Dry chemical   |
| Unsuitable Extinguishing Media        | Water spray and water jet.   |
| Exposure Hazards                      | Burning may release oxides of carbon, nitrogen, sulphur and other toxic gases or vapors. Do not release chemically contaminated water into drains or surface waters. Dispose of contaminated waters and soil according to local regulations. |
| Protective Equipment for Firefighters | Use full protective clothing and self-contained breathing apparatus.   |
| Measures                              | Promptly move transferable containers to another safety area. Check the speed and spread of fire. Extinguish the fire with suitable extinguisher from the windward side.   |

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**SECTION 5 - HAZARD IDENTIFICATION**


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|--------------|--|
| Inhalation   | Highly concentrated vapor irritates nose, throat and lungs.<br>May cause headache and dizziness. |
| Eye Contact  | Slight irritation  |
| Skin Contact | Slight irritation  |
| Ingestion    | Harmful, if swallowed.   |

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**SECTION 6 - EXPOSURE CONTROLS AND PERSONAL PROTECTION**


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| People, who know they are chemically sensitive, should avoid contact with this product. |  |
| Technical Protective Measures   | No special safety measures required.             |
| Exposure Control Limits   | (See PEL and TLV values shown in section 2)      |
| Respiratory Protection  | Wear suitable mask to avoid inhalation of vapor. |
| Hand Protection   | Wear chemical resistant gloves.                  |
| Eye Protection  | Wear safety glasses.                             |
| Skin Protection   | Wear suitable protective                         |

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**SECTION 7 - FIRST AID MEASURES**


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|--------------------------------|--|
| EMERGENCY FIRST AID PROCEDURES | Seek medical assistance for further treatment, observation and support if necessary.   |
| Eye Contact                    | Rinse immediately with clean water for at least 15 minutes.<br>If irritation persists, seek medical attention.                                 |
| Skin Contact                   | Wash with plenty of running water using a mild soap. Do not use organic solvents.  |
| Inhalation                     | Immediately carry the victim to a place where fresh air is available.<br>If irritation persists, treat with oxygen and seek medical attention. |
| Ingestion                      | Obtain medical advice immediately. It's not recommended that vomiting be induced except on medical advice.                                     |

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**SECTION 8 - ACCIDENTAL RELEASE MEASURES**


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|---------------------------|---|
| Personal Precaution       | Avoid ignition sources. Avoid contact with skin, eyes and clothing.<br>Avoid inhaling vapor   |
| Environmental Precautions | Prevent contamination of soil, drains and surface waters.   |
| Methods for Cleaning      | Scoop up or absorb into combustible material, wipe out a stain in use organic solvents. Dispose in accordance with local regulations. |

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**SECTION 9 - HANDLING AND STORAGE**


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| Handling | Handle with care. Avoid ignition sources. Ensure good ventilation and local exhaust.<br>Do not smoke at the workplace. |
| Storage  | Store in the original sealed container at less than 25 °C. Avoid direct exposure to UV and sunlight's.                 |

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**SECTION 10 - STABILITY AND REACTIVITY**


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|----------------------------------|--|
| Stability                        | The product is stable (ambient temperatures).  |
| Conditions to avoid              | Heat and sunlight.   |
| Materials to avoid               | Strong acids, strong bases, peroxides and strong oxidizing agents.                       |
| Hazardous Decomposition Products | Burning may release oxides of carbon, nitrogen, sulphur and other toxic gases or vapors. |

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**SECTION 11 - DISPOSAL CONSIDERATIONS**


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Incineration or landfill in accordance with local regulations.

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**SECTION 12 - TOXICOLOGICAL INFORMATION**


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**PRIMARY ROUTE(S) OF ENTRY**


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☒ DERMAL      ☒ INHALATION      ☐ INGESTION

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|                  |  |
|------------------|--|
| TOXICITY STUDIES | Toxicity studies have not been carried out on this product. Toxicity information available for the ingredients listed in section 1 is given below. |
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**HEALTH HAZARDS**


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|                          |                   |
|--------------------------|-------------------|
| ACUTE INGESTION TOXICITY | N.E.              |
| ACUTE SKIN IRRITATION    | Slightly irritant |
| MUTAGENICITY             | NONE              |

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**CARCINOGENICITY**


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☐ NTP      ☒ IARC      ☐ OSHA      ☐ NOT LISTED

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Silica crystalline (or carbon black) mentioned at Section 1 is classified as a carcinogen, because of the specific state furnished in a powder form and which causes lung cancers, due to the direct inhalation. This case, it is mixed together with other substances and which is furnished in a liquid preparation, having no capability of allowing any direct inhalation of Silica crystalline (or carbon black) itself. This material furnished in a liquid preparation has no potential to cause any lung cancers.

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**SYMPTOMS OF OVER EXPOSURE**


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|            |   |
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| INHALATION | Slight irritation to respiratory tract. Highly concentrated vapor may cause headaches, dizziness, and nausea. |
| EYE        | Slight irritation   |
| SKIN       | Slight irritation   |
| INGESTION  | Expected to have a low order of toxicity.   |

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**SECTION 13 - ECOLOGICAL INFORMATION**


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|---------------------|------------------------------------|
| ACUTE FISH TOXICITY | Ecological data are not available. |
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| BIODEGRADABILITY | U.K. |
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**SECTION 14 - TRANSPORT INFORMATION**


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| ADR | Inflammable Liquid |
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|-----------|------|
| IMDG-CODE | Free |
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|      |      |
|------|------|
| IATA | Free |
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|--------|--------------------|
| US DOT | Combustible Liquid |
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|    |      |
|----|------|
| UN | Free |
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|-------------|------------------|
| FLASH POINT | 73°C (Seta C.C.) |
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**SECTION 15 - REGULATORY INFORMATION**


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| APPLICATION of LAW | Occupational Health and Safety Law. |
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|---------------------|--|
| Further information | Acetophenone derivative has been classified officially according to EU, Annex 1., and is additionally proposed to be classified as Repro. Cat.3 R63, S36 due to its reproductive toxicity observed in a combined one-generation/prenatal developmental toxicity study in rats. |
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**SECTION 16 - OTHER INFORMATION**


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This Product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties. It may not be valid for this material, if used in combination with any other materials.

|          |                 |                       |                      |
|----------|-----------------|-----------------------|----------------------|
| Optional | U.K. = Un-Known | N.E.= Not Established | N.A.= Not Applicable |
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