

# SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PNA-125

[File No.] 204048E

[Date of issue] 2014/10/22

[Details of Manufacture]

Manufacture's name: MITSUBISHI PENCIL CO., LTD.

Address: 5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN

Telephone number: 03-3458-6281      telefax number: 03-3450-0363  
(Only office hour are available.)

## 2. Hazards identification

Information of this section is about the ink.

[Classification of the substance or mixture]

### PHYSICO-CHEMICAL HAZARDS

Flammable Liquids : Category3

### HEALTH HAZARDS

Acute toxicity(oral) : Not classified

Acute toxicity(skin) : Not classified

Acute toxicity(inhalation steam) : Not classified

Skin corrosion/irritation : Category3

Serious eye damage/Eye Irritation : Category2

Respiratory sensitizer : Classification not possible

Skin sensitizer : Classification not possible

Germ cell mutagenicity : Category1

Carcinogenicity : Category2

Toxic to reproduction : Category1

Specific target organ systemic toxicity(single exposure) : Category3

Specific target organ systemic toxicity(repeated exposure) : Category1

Aspiration hazard : Classification not possible

### ENVIRONMENTAL HAZARDS

Hazard to the Aquatic Environment (Acute) : Classification not possible

Hazard to the Aquatic Environment (Chronic) : Classification not possible

[Label elements]

Pictogram



Signal Word : Danger

Hazard Statement : Flammable liquid and vapour

: Harmful if inhaled

: Causes mild skin irritation

: Causes serious eye damage

: May cause generic defects

: Suspected of causing cancer

: May damage fertility or the unborn child

: May cause respiratory irritation; or May cause drowsiness or dizziness

: Causes damage to organs through prolonged or repeated exposure

## Precautionary Statement

- : Keep away from heat/sparks/open flames/hot surfaces. –No smoking.
  - : Keep cool.
  - : Ground/bond container and receiving equipment.
  - : Do not breathe dust/vapours etc..
  - : Do not eat, drink or smoke when using this product.
  - : Use in a well-ventilated area.
  - : Use personal protective equipment as required.(Refer to Section 8)
  - : IF ON SKIN(or hair): Remove immediately all contaminated clothing. Rinse skin with water.
  - : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easys to do. Continue rinsing.
  - : IF exposed or concerned: Get medical advice/attention.
  - : If skin irritation occurs: Get medical advice/attention.
  - : If eye irritation persists: Get medical advice/attention.
  - : In case of fire: Use appropriate means for fire extinguishing in accordance with all current regulations and standards.
  - : IF INHALED:Remove victim to fresh air and keep at rest in a position comfortable for breathing.Get medical advice/attention if you feel unwell.
  - : Store in a well-ventilated place. Keep container tightly closed.
  - : Store in a well-ventilated place. Keep cool.
  - : Dispose in accordance with all current regulations and standards.
- [Other hazards] No information available.

## 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]		Mixture
[Chemical nature]	[Component parts]	Ink[ Ink quantity of product :about 1.29g]
Chemical name	Cas No.	Concentration range(wt%)
Propanol, 1-methoxy-	107-98-2	50-80
Carbon black	1333-86-4	10-30
Ethanol	64-17-5	10-30
Resin	Trade secret	10-30
Additive	Trade secret	<10

## 4. First aid measures

## [Description of first aid measures]

- Eye contact
- : Flush eyes with plenty of water for at least 15 minutes.
  - : Take off the contact lens if possible
  - : Then get medical attention immediately.
- Skin contact
- : Wash skin.
  - : Consult medical advice depending on the symptoms.
  - : Thoroughly clean and dry contaminated clothing and shoes before reuse.
- Ingestion
- : Consult medical advice, and show the SDS to physician.
  - : Never give anything by mouth. If vomiting occurs, keep head lower than hips to help prevent aspiration.
- Inhalation
- : Remove from exposure area to fresh air immediately. Give artificial respiration if not breathing.
  - : Consult medical advice, and show the SDS to physician.

[Most important symptoms and effects, both acute and delayed]

No information available.

[Indication of any immediate medical attention and special treatment needed]

No information available.

## 5. Firefighting measures

[Extinguishing media]

Regular dry chemical, carbon dioxide, water, regular foam

[Special hazards arising from the substance or mixture]

No further relevant information available.

[Advice for firefighters]

Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products.

Wear suitable protective equipment.

## 6. Accidental release measures

[Personal precautions, protective equipment and emergency procedures]

Rope off the area to contain the leak and prohibit entrance except for authorized persons.

Wear appropriate protection gear.

Do not work in windward direction.

[Environmental precautions]

Collect leaked material in empty container after leading outflow to a safe area containing earth and sand.

Do not allow leaked material to pollute rivers, lakes, etc.

[Methods and material for containment and cleaning up]

Wipe off by dry cloth and wash with water.

Dispose of pollution or waste in accordance with national, state and local regulations.

[Reference to other sections]

No information available.

## 7. Handling and storage

[Precautions for safe handling]

Do not lick or swallow the ink.

Avoid contact with skin and eyes.

Ventilate the room in case of using and don't breathe the vapor.

Recap after use (if there is a cap), and keep out of the reach of infants.

Don't shake.

[Conditions for safe storage, including any incompatibilities]

Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C

[Specific end use(s)]

No information available.

## 8. Exposure controls/personal protection

[Control parameters]

Chemical name	OSHA	ACGIH
Carbon black	-	(TWA)3.5mg/m <sup>3</sup>
Ethanol	-	(TWA)1000ppm
Propanol, 1-methoxy-	-	(TWA)100ppm (STEL)150ppm

## [Exposure controls]

Protective equipment	: Ventilate the room in case of using it and don't breathe the vapor. Do mechanical exhaust as needed.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

## 9. Physical and chemical properties

## [Information on basic physical and chemical properties]

Color	: Black
State	: Liquid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.[Ethanol 78.32°C]
Melting point	: No information available.
Flash point	: No information available.[Ethanol 13°C]
Autoignition temperature	: No information available.[Propanol, 1-methoxy- 270°C]
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about 1.0
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >70%
[Other information]	No information available.

## 10. Stability and reactivity

[Chemical stability]	This mixture is stable in normal temperature, a condition of the pressure.
[Reactivity]	No data available.
[Conditions to avoid]	Avoid heat, flames, sparks and other sources of ignition. Avoid direct sunlight and high temperature.
[Incompatible materials]	No information available.
[Hazardous decomposition products]	No information available.
[Possibility of hazardous reactions]	No information available.

## 11. Toxicological information

## [Information on toxicological effects]

Acute toxicity(oral)	
Not classified	: >2000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >2000 mg/kg (estimate value)
Acute toxicity(inhalation:vapours)	
Not classified	: >20 mg/L (estimate value)

## Skin corrosion/irritation

Propanol, 1-methoxy- : Category3

Additive : Category3

## Serious eye damage/Eye Irritation

Ethanol : Category2A

Propanol, 1-methoxy- : Category2

Additive : Category2A

## Respiratory sensitizer

No information available.

## Skin sensitizer

No information available.

## Germ cell mutagenicity

Ethanol : Category1B

## Carcinogenicity

Carbon black : Category2

## Toxic to reproduction

Ethanol : Category1A

## Specific target organ systemic toxicity(single exposure)

Ethanol : Category3

Propanol, 1-methoxy- : Category3

## Specific target organ systemic toxicity(repeated exposure)

Carbon black : Category1

Ethanol : Category1

## Aspiration hazard

No information available.

## Hazard to the Aquatic Environment (Acute)

No information available.

## Hazard to the Aquatic Environment (Chronic)

No information available.

**12. Ecological information**

No information available.

**13. Disposal considerations**

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

#### 14. Transport information

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

#### 15. Regulatory information

TSCA : Listed on the TSCA inventory or polymer substance.

[Chemical safety assessment]

Ink or lead are manufactured in accordance with ISO 8124-3 "Safety of Toys - Part 3"

#### 16. Other information

- The information is based on our present knowledge at the date of its publication, and designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.
- This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.