

# Safety data sheet for chemical products

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: UB-205 Red [ uni-ball VISION ELITE ]

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  
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Creation Date : September 28, 2001  
 Revision Date : November 7, 2011  
 File No. : 066135A Rev. 2.5.02.05

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

The chemical product is a substance or a preparation : Preparation

Chemical or generic name	Component parts : Ink			Concentration range (wt%)
	CAS No.	TSCA	EINECSNo.	
Water	7732-18-5	Registered	2317912	50- 80
Ethylene glycol	107-21-1	Registered	2034733	10- 30
Coloring agent	Registered	Registered	Registered	< 10
Resins	Registered	Registered	Polymer	< 10
Additive	Registered	Registered	Registered	< 10

Other parts : Other parts are excluded from 'chemical substances'.

## 3. HAZARDS IDENTIFICATION

Most important hazards : Not available.

Specific hazards : Information of components.

<Ethylene glycol>

MAJOR HEALTH HAZARDS: respiratory tract irritation, skin irritation, eye irritation, central nervous system depression, nerve damage, kidney damage

## 4. FIRST-AID MEASURES

Inhalation:

Not applicable.

(Due to its low vapor pressure. Inhalation is unlikely at room temperature.)

Skin contact:

Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.

Eye contact:

Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Ingestion:

If swallowed, seek medical advice, and show the MSDS to the physician then.

[Ink quantity of refill(UBR-95) : about 1.6g]

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## 5. FIRE-FIGHTING MEASURES

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Fire and explosion measures : Slight fire hazard.

Extinguishing media:

Suitable : regular dry chemical, carbon dioxide, water, regular foam.

Large fires : Use regular foam or flood with fine water spray.

Fire fighting : The Products is no flammable.

Use extinguishing agents appropriate for surrounding fire.

Avoid inhalation of material or combustion by-products.

Stay upwind and keep out of low areas.

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## 6. ACCIDENTAL RELEASE MEASURES

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Personal precautions : Not available.

Environmental precautions : Do not wash away into shower or water way.

Methods for cleaning up : Wipe off by dry cloth and wash with water.

: In accordance with national, state and local regulations.

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## 7. HANDLING AND STORAGE

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Store and handle in accordance with all current regulations and standards.

Keep separated from incompatible substances.

Handling:

Technical measures : Don't swallow ink.

: Recap after use.

: Don't shake.

: Keep out of the reach of children.

: Avoid contact with skin and eyes.

Precautions : Not available.

Safe handling advice : Not available.

Storage:

Technical measures : Keep away from oxidizing materials, ignition sources and high temperature.

Storage condition : Avoid direct sunlight.

: Do not leave the products in high temperature space.

: Recommended temperature: 0-30 C.

Incompatible products : (Information of components.)

oxidizing materials, bases, acids, reducing agents, metals

Ethylene glycol

oxidizing materials

Coloring agent

oxidizing materials, reducing agents

Resin

Packaging materials : Not applicable.

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## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

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Engineering measures : Not required.

Control parameters (Information of components.)

OSHA	Not available.	
ACGIH	100mg/m <sup>3</sup> ceiling (particulate)(aerosol) 15mg/m <sup>3</sup> (Total dust)	Ethylene glycol Additive
EC	52mg/m <sup>3</sup> (20ppm) TWA, 104mg/m <sup>3</sup> (40ppm) STEL(skin)	Ethylene glycol
JAIH	2mg/m <sup>3</sup> (Respirable fraction), 8mg/m <sup>3</sup> (Total dust)	Coloring agent

Personal protective equipment : Not required.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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[ ] : Information of components.

Physical state and form : Low viscous liquid.  
 Colour : Red.  
 Odour : None odour.  
 pH : about 7.5  
 Boiling point : Not available. [Water/ 100 C]  
 Melting point : <-10 C  
 Flash point : Not applicable. [Ethylene glycol/ 111 C(CC)]  
 Autoignition temperature : Not applicable. [Ethylene glycol/ 398 C]  
 Explosion limits : Not applicable.  
     [ Lower flammable limit / 3.2% , Upper flammable limit / 15.3% <Ethylene glycol> ]  
 Density : about 1.1 / 25 C  
 Vapour density (air=1) : Not available. [Ethylene glycol/ 2.1]  
 Solubility in water : Soluble.  
 Evaporation rate : Not available.  
 Volatile : 83-86%

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## 10. STABILITY AND REACTIVITY

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Stability : Stability.

Hazardous reactions : Will not occur.

Conditions to avoid : Avoid heat, flames, sparks and other sources of ignition.  
 Avoid contact with incompatible materials.

Materials to avoid : (Information of components.)

oxidizing materials, bases, acids, reducing agents, metals	Ethylene glycol
oxidizing materials	Coloring agent
oxidizing materials, reducing agents	Resin

Hazardous decomposition products : (Information of components.)

oxides of carbon, water	common decomposition products
oxides of nitrogen.	Coloring agent / Resin
miscellaneous decomposition products.	Additive

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## 11. TOXICOLOGICAL INFORMATION

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(Information of components)

**Acute toxicity**

Ingestion LD50	1650mg/kg-Cat, 4700mg/kg-Rat >=5000mg/kg-Rat 1040mg/kg-Rabbit, >40000mg/kg-Mouse	Ethylene glycol  Coloring agent Resin
Inhalation LC50	Not available.	
Skin LD50	9530uL/kg-Rabbit	Ethylene glycol

Local effects                      Irritant:inhalation, skin, eye                      Ethylene glycol

**Chronic toxicity and long term toxicity**

The substance may have effects on the central nervous system, resulting in abnormal eye movements (nystagmus).                      Ethylene glycol

**Signs and Symptos of overexposure and aggravated by exposure**

Inhalation	irritation,cough irritation irritation,pneumonitis	Ethylene glycol Coloring agent / Additive Resin
Skin contact	irritation,dry redness,swelling irritation,sensitization irritation	Ethylene glycol Coloring agent Resin Additive
Eye contact	irritation,redness irritation	Ethylene glycol Resin / Additive
Ingestion	nausea,vomiting diarrhea,pneumonitis	Ethylene glycol / Coloring agent Resin

Specific effects                      IARC Group 3                      Resin

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## 12. ECOLOGICAL INFORMATION

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Not available.

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## 13. DISPOSAL CONSIDERATIONS

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Waste from residues                      : Disposal in accordance with all current regulations and standards.

Contaminated packaging : Not applicable.

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## 14. TRANSPORT INFORMATION

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HS Code                                      : 960810

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## 15. REGULATORY INFORMATION

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### Regulations (Information of components)

Hazardous chemicals (OSHA HCS) : Ethylene glycol

### EU labeling

25%≤Xn;R22 : Ethylene glycol

R22 : Harmful if swallowed.

### CANADA Hazardous Products Act - Ingredient Disclosure List

1%over : Ethylene glycol

### Hazard and safety information

Products are manufactured in accordance with ISO 8124-3 " Safety of Toys - Part 3"

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## 16. OTHER INFORMATION

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This sheet completes the technical sheet of use but it doesn't replace it.  
The information contained in this sheet are based knowledge of the products  
at the data : (November 7, 2011). They are given quite sincerely.  
Moreover the attention of the users is drawn on the risks possibly taken,  
when a product is used for other utilization than these which it is intended.