1/5 Creation Date: September 28, 2001 Revision Date: September 30, 2011

Safety data sheet for chemical products

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: UB-200(08) Blue [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

Telex number : 2422337 MBPENC J.

Creation Date : September 28, 2001 Revision Date : September 30, 2011

File No. : 066131A Rev. 2.5.03.05

2. COMPOSITION/INFORMATION ON INGREDIENTS

The chemical product is a substance or a preparation: Preparation

Chemical nature: Component parts : Ink

Chemical or generic name	CAS No.	TSCA	EINECSNo.	Concentration range (wt%)
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.

Eve 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-90(08)): about 1.6g]

Revision Date: September 30, 2011

5. FIRE-FIGHTING MEASURES

Fire and explosion measures : Slight fire hazard.

Exitinguishing 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.

6. ACCIDENTAL RELEASE MEASURES

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.

7. HANDLING AND STORAGE

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. 3/5 Creation Date: September 28, 2001

Revision Date: September 30, 2011

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering measures : Not required.

Control parameters (Information of components.)

OSHA	5mg/m3(Respirable flaction), 15mg/m3(Total dust) [Nuisance Dust]	Coloring agent
ACGIH	100mg/m3 ceiling (particulate)(aerosol)	Ethylene glycol
	10mg/m3(Nuisance particulate)	Coloring agent
	15mg/m3 (Total dust)	Additive
EC	52mg/m3(20ppm) TWA,	Ethylene glycol
	104mg/m3(40ppm) STEL(skin)	

Personal protective equipment : Not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

[]: Information of components.

Physical state and form : Low viscous liquid.

Colour : Blue.

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]

Solubulity in water : Soluble.
Evaporation rate : Not available.
Volatile : 83-86%

10. STABILITY AND REACTIVITY

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

4/5

Revision Date: September 30, 2011

11.TOXICOLOGICAL INFORMATION

(Information of components)

Acute toxicity

Ingestion LD50	1650mg/kg-Cat,	Ethylene glycol
	4700mg/kg-Rat	
	>=5000mg/kg-Rat	Coloring agent
	1040mg/kg-Rabbit,	Resin
	>40000mg/kg-Mouse	
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

irritation,cough	Ethylene glycol
irritation	Coloring agent / Additive
irritation,pneumonitis	Resin
irritation,dry	Ethylene glycol
irritation, sensitization	Resin
irritation	Additive
irritation,redness	Ethylene glycol
irritation	Coloring agent / Resin / Additive
nausea,vomiting	Ethylene glycol
gastric disturbances	Coloring agent
diarrhea,pneumonitis	Resin
IARC Group 3	Resin
	irritation irritation,pneumonitis irritation,dry irritation,sensitization irritation irritation irritation mausea,vomiting gastric disturbances diarrhea,pneumonitis

12. ECOLOGICAL INFORMATION

Not available.

13. DISPOSAL CONSIDERATIONS

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

Contaminated packaging: Not applicable.

14. TRANSPORT INFORMATION

HS Code : 960810

Revision Date: September 30, 2011

15. REGULATORY INFORMATION

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"

16. OTHER INFORMATION

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: (September 30, 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.