

21322-XXXX

ZIG POSTERMAN series MSDS 1/3

SAFETY DATA SHEETDATE : 08-Jul-2010
REVISION : 09-May-2011**1. PRODUCT INFORMATION**Product Name: ZIG POSTERMAN
Product Number: PMA-20, PMA-25, PMA-30, PMA-50, PMA-120, PMA-120S, PMA-130, PMA-130S, PMA-150
Recommend Application: InkCompany Information: Company Name: KURETAKE CO., LTD.
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E-mail: kuretake@kuretake.co.jp**2. HAZARDS IDENTIFICATION**

GHS Classification

Physical hazardous nature
Dengerous for healthFlammable liquid
Acute toxicity
Acute toxicity (Oral)
Acute toxicity (Endermatic)
Acute toxicity (Inhale : Gas)
Acute toxicity (Inhale : Dust, Mist)
Skin corrosion / irritative
Serious irritate the eyes
Sensitizing property of apparatus
respiratorius and skin
Skin sensitizing property
Generate cell mutagenicity
Carcinogen
Reproductive effect
Single exposure

Out of Division

No data

No data

No data

N/A

No data

No data

No data

No data

No data

No data

No data

No data

No data

No data

Specially Target Organ
/ Systematic ToxicityDivision 1 Central nervous system,
Respiratory organ, Kidney, Heart
/only fluorescent color)

Division 1 (lungs/black)

Division 1 (liver)

Division 2 Central nervous system

/except black, fluorescent color,metallic colors)

Division 1(Central nervous system,

Respiratory organ, Heart /fluorecent colors)

No data

No data

No data

Hazardous Property for
Environment

Factore Label

Attractant respiratory harmful effect
Acute hazardous aquatic environment
Inveteracy hazardous aquatic environmentSignal words
Hazardous Information
Instruction

Danger

[First Aid]

Skin: Wash by water with soap.
Eyes: Immediately flush with water enough, see a doctor.
Ingestion: Do not induce vomiting. See a doctor.

[Storage]

Under usually storage condition, it is stable.

[Disposal]

Waste disposal should be in accordance with the existing environmental regulation.

Country / Community Information

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3. COMPOSITION AND INGREDIENT INFORMATION

Single, Mixture: Mixture
 Ingredient and content

Ingredient name	CAS No.	Concentration Wt. %
Ethyl alcohol	64-17-5	2-4
Carbon black(in four colors only)	1333-86-4	
	Black	9-10
	Brown	<0.5
	Slate Grey	<0.5
	Burnt Sienna	<0.5
Titanium dioxide(except black)	13463-67-7	8-15.5

4. FIRST AID

For Skin Wash by water with soap.
 For Eyes Immediately flush with water enough, see a doctor.
 For Ingestion Do not induce vomiting. See a doctor.
 Expected acute symptom and late symptom: None expected.
 Most important sign and symptom: None expected.
 Protect the person received first aid: None required.
 Special notandum for doctor: None required.

5. FIRE-FIGHTING MEASURE

Extinguishing Media: N/A
 Great Conflagration: Water spray, mist water, CO2
 Forbidden Extinguishing Media: None
 Special Dangerous and Harmful Effect: N/A
 Protect the Person Extinguish a Fire: None

6. ACCIDENTAL RELEASE MEASURES

Notandum for Fuman Body, Protective Equipment and Emergency Measure: None required
 Notandum for Environment: None required
 Collect Neutralization: None required
 Containment or Depurant and Equipment: None required
 Precaution of Second Disaster: None required

7. HANDLING AND STORAGE

Handling
 Precautions to be taken in handling None required
 Storage
 Precautions to be taken in strage None required

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Install the eyewashing devices and safety shower where handle or stock this product.
 Protection Equipment
 For hands: None required
 For eyes: None required
 Other protective clothing or equipment None required

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form	Condition (20°C)	liquid
	Odor	Oderless
	Boiling point	Approx. 100°C
	Vapor pressure	N.D.
	Density (20°C)	1.08-1.25
	pH (against water base)	N.D.
	Other	No data
Hazardous Information	Flash point	N/A
	Ignition point	N/A
	Explosion limit	N/A
Other Hazardous Information		No data

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10. STABILITY AND REACTIVITY

Stability: Under usually storage condition, it is stable.
 Hazardous Reactivity: Nothing
 Avoid Condition: Nothing
 Avoid Touching: Nothing
 Hazardous Decomposition Product: Nothing

11. TOXICOLOGICAL INFORMATION

Harmful ingredient and exposure limit.

Name	Exposure Limit	ACGIH (TLV)	IARC	OTHER
Ethyl alcohol	-	1000ppm	A4	LD50 (oral, rat) > 5g/kg
Carbon black	-	3.5 mg/m ³	2B	LD50(oral, rat) 15,400mg/kg
Titanium dioxide	-	10mg/m ³	A4	LD50(oral, rat) > 10000mg/kg

Other harmful information relevant to composition:
 Harmful information for product:

No data
 No data

12. ECOLOGICAL INFORMATION

Acute Hazardous Aquatic Environment
 Invertebrate Hazardous Aquatic Environment

No data
 No data

13. DISPOSAL CONSIDERATIONS

Residue Waste: For dispose, follow the related regulation and standard of local governments. Ask the licensed industrial waste disposal company or local governments.
 For Burning: Spray the incinerator with waste liquid directly or mix with flammable solvent in small quantity to burn. Activated sludge process.
 Polluted container and package: Clean the container and recycle or treat it in accordance with the related regulation or local governments. If dispose the container, remove the content completely.

14. TRANSPORT INFORMATION

Common: Please follow the section 7. Check if there are no leakage from container and take cargo without falling, dropping and damage.
 Land Transportation: In case of fall under the Fire Law, Industrial Safety and Health Law, Poisonous Material Control Law follow each relevant mode of transportation.
 Marine Transportation: Please follow the Law for Safety of Vessel.
 Air Transportation: Please follow the Aviation Law and regulation of ICAO.
 UN No. N/A

15. REGULATORY INFORMATION

Industrial Safety and Health Law: Notice object goods (Article 57, section 2, Enforcement regulation 18-21, appendix 9.)
 Fire Law: N/A
 Law for Safety of Vessel: N/A
 Aviation Law: N/A

16. OTHER INFORMATION

Main cited ite

JPMA "Data Base for raw material MSDS"
 JPMA "MSDS Guide Book [Mixture (for paint)]" 4th version
 JPMA "MSDS Guide Book [Mixture (for paint)]" 4th version-addenda version
 Solvent pocket book
 Raw material manufacturer MSDS
 DFGOT (1996)
 IUCLID (2000)

Regarding to the description content:

The description content of this data sheet is based on the documentation, information and data that we can gather at the present moment so that it might be change depend on new information. And it is recommend for usual handling so that in case of special handling, use it before take safety measure that suitable for your application and usage.

The description content is indormation dervice and not certification.