

**21161-1023**

WHITE INK MSDS 1/3

**SAFETY DATA SHEET**DATE : 20-Feb-2012  
REVISION : -**1. PRODUCT INFORMATION**Product Name: WHITE INK 30  
Product Number: CNCE200-3  
Recommend Application: InkCompany Information: Company Name: KURETAKE CO., LTD.  
Address: 576 Minamikyobate-cho, 7-chome, Nara-shi, 630-8670  
Division: Technician of Lab.  
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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

Out of Division

No data

No data

No data

N/A

No data

No data

Division 2

No data

No data

No data

Division 2

Division 2

No data

Division 1(Kidney, Liver)

No data

No data

No data

Specially Target Organ  
/ Systematic ToxicityHazardous Property for  
Environment

Factore Label

Signal 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.%
Titanium dioxide	13463-67-7	8-15.5
Diethylene glycol	111-46-6	2-4

**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	No data
	Density (20°C)	No data
	pH (against water base)	No data
	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
Titanium dioxide	-	10mg/m <sup>3</sup>	A4	LD50(oral, rat) > 10000mg/kg
Diethylene glycol	-	-	-	LD50(oral, rat) =15.6g/kg

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

No data  
 No data

**12. ECOLOGICAL INFORMATION**

Acute Hazardous Aquatic Eenvironment  
 Inveteracy 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 section7. 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 Safty and Health Law, Poisonous Material Control Law follow each relevent 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 garner 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 devrice and not certification.*