

MATERIAL SAFETY DATA SHEET

MSDS No. : KSM-017

Section 1 – General Information

Commercial product name : Water based pigment ink (Black, Blue, Red)
Manufacturer : KOTOBUKI & CO., LTD.
Company address : 138, Kujirai, Kawagoe, Saitama, JAPAN, 350-0815
Telephone No. : 81-49-233-3381
Fax No. : 81-49-233-2700
Date of last revision : June 13, 2011

Section 2 – Hazards identification

No information is available.

Section 3 – Composition information on ingredients

<u>Ingredient</u>	<u>CAS No.</u>	<u>Contents</u>
Glycerin	56-81-5	5~15%
Triethylene glycol	112-27-6	5~15%
Pigments	1333-86-4 / 147-14-8 / 6358-30-1 / 6655-84-1	2~10%
Water	7732-18-5	50~70%

Section 4 – First aid measures

Eyes : Flush eyes with generous amounts of water for at least 15 minutes.
Skin : Wash affected areas with water while removing contaminated clothing.
Ingestion : Give water, and make person vomiting.
Inhalation : None

Section 5 – Fire fighting measures

Extinguishing media : Water fog, Dry chemical, Foam or Carbon dioxide

Special fire fighting precautions : Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

Unusual fire and explosion hazards : None

Section 6 – Accidental release measures

Waste disposal method : Do not discharge into waterways or sewer systems without proper authority.

Section 7 – Handling and storage

Handling & Storage : Avoid high temperature.

Section 8 – Limited of exposition and protective clothing

Additional remarks relating technical equipments : No further remarks.

Personal measures of protection :

Respiratory protection (specify type) : Not necessary

Ventilation

Local exhaust : Not necessary

Mechanical : Not necessary

Other : Natural ventilation

Skin and eye protection : Wear chemical goggles, gloves, coveralls, apron, boots.

Work/hygienic practice : Shower after handling this product. Clean clothing should be worn daily.

Section 9 – Physical and chemical properties

Form : Fluid

Odour : Almost odourless

Boiling point : Unknown

Flash point : >100°C

Solubility in water : Miscible

Section 10 – Stability and reactivity

Conditions/substances to be avoided : Avoid high temperature and sunshine.

Hazardous polymerization : Will not occur.

Section 11 – Declaration to toxicology

Acute : Not determined
Chronic : Not determined
Signs and symptom of overexposure : Not determined
Medical conditions generally aggravated by exposure : Not determined.
Chemical listed as carcinogens : Unknown

Section 12 – Remarks on ecology

Not available

Section 13 – Disposal

Consult local, state and observe all federal regulation.

Section 14 – Regulations for transport

Not necessary

Section 15 – Regulations

Safety standards complied with EN71 Part 3

Section 16 – Further information

NOTE : The information given in this MSDS are based on our present state of knowledge and are no assurance of properties of our products. Existing laws and regulations have to be obeyed by the purchaser himself.