

Company/undertaking identification

Company : Uchida of America, Corp.
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Use of the substance/preparation

: For marker.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Content (wt%)
Acid Yellow 23	0.0 to 0.3
Acid Yellow 42	0.0 to 0.4
Basic Yellow 40	0.0 to 1.2
Solvent Yellow 2	0.0 to 1.2
Solvent Yellow 16	0.0 to 0.3
Basic Blue 1	0.0 to 1.3
Basic Blue 7	0.0 to 1.1
Solvent Blue 5	0.0 to 0.1
Basic Red 1	0.0 to 2.0
Basic Violet 10	0.0 to 0.1
Basic Orange 2	0.0 to 0.7
Solvent Black 7	0.0 to 8.0
Rosin modified resin	10.0 to 13.0
Ethanol	} 79.9 to 86.0
Denatured alcohol (IPA)	
Cellulose	

GHS CLASSIFICATION

Health

Acute Toxicity: Category 5
 Skin irritation: Unclassifiable
 Eye: Category 2A
 Carcinogenicity: Unclassifiable
 Reproductive toxicity: Category 1

GHS LABEL

Signal Word: **Dangerous**Signal Word: **Dangerous**Hazard and Toxicity Information: **Highly flammable liquids and vapors****3. HAZARDS IDENTIFICATION**

Distinction between single-product mixture

Mixture

Chemical Name

Alcohol solution of organic dyes

Generic Name

Alcohol solution of organic dyes

Alias

Oil solution

Components and content

Ethanol, Isopropyl alcohol, Methyl Cellulosive, Resin and Activator.

Chemical Properties

Ignitable.

CAS NO.

64-17-5, 67-63-0 and 109-86-4, etc.

Hazardous Components

Ethanol, Isopropyl alcohol and Methyl cellosolve, etc.

Hazardous Impurities

No information.

4. FIRST AID MEASURES**Inhalation**

Promptly remove the patient to a place of refresh air.

Skin contact

Immediately rinse through with soap and water.

Eye contact

Immediately rinse the damaged eye with plenty of water and call on physician.

Ingestion

Attention is necessary not to discard the used pen in a fire.

There is a risk of explosion in the combustion product gas and the like Cox.
 Special protective equipment for fire fighters
 Employ protective equipment commonly used in the event of fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
 Wear suitable clothing and gloves.
Environmental precautions
 Or discharge of wastewater into water bodies, to prevent underground seepage.
Methods for cleaning up
 Wipe the material with cloth and wash water.

7. HANDLING AND STORAGE

Handling
 Wear suitable protective clothing and gloves.
Storage
 Proper ventilation is desirable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment
Hand protection
 protective gloves
Eye protection
 safety glasses with side-shields

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	Liquid
Colour	coloured
Odour	alcohol odor
Safety data	
pH value	not available
Boiling point/range	78.3°C
Solubility in water	insoluble
Flash point	13.0°C
Density	0.83g/m ³

Hazardous reactions
It is stable in a place where not too high temperature.

11. TOXICOLOGICAL INFORMATION

The following data are classified based on the data we were able to collect data for our constituents.

Acute toxicity:	Acute oral toxicity LD ₅₀ :	5078mg/kg ⁽¹⁾
	Acute dermal toxicity LD ₅₀ :	4059mg/kg ⁽²⁾
	Acute inhalation toxicity LD ₅₀ :	14814ppm ⁽³⁾
Irritation/Skin corrosion:	No information	
Irritation/Serious damage to the eye:	Strong irritant ⁽⁴⁾	
Skin sensitization:	No information	
Respiratory organ sensitization:	No information	
Germ cell mutagenicity:	Materials with the possibility of hereditary diseases ⁽⁵⁾	
Carcinogenicity:	No information	
Reproductive toxicity:	No reproductive or include it with the 56.0% material adverse effects to the fetus ⁽⁶⁾	
Organ/ systemic toxicity specific target (single exposure):	Substances that organ failure ⁽⁷⁾	
Organ/ systemic toxicity specific target (repeated exposure):	Or long-term failure of organ substances that repeated exposure ⁽⁸⁾	
Respiratory aspiration hazard:	Swallowing, with the possibility of harmful substance from entering the Airways ⁽⁹⁾	

References: National Institute of Technology and Evaluation GHS Database and classification result, MSDS material

- (1) Ethanol 6200mg/kg, Isopropyl alcohol 3437mg/kg, Resin 5000mg/kg
- (2) Isopropyl alcohol 4059mg/kg
- (3) Ethanol 12500ppm, Isopropyl alcohol 29620ppm
- (4) Ethanol 56.0%, Isopropyl alcohol 18.0%
- (5) Ethanol
- (6) Ethanol
- (7) Isopropyl alcohol
- (8) Ethanol
- (9) Isopropyl alcohol

12. ECOLOGICAL INFORMATION

Ecotoxic effects

Quantitative data on the ecological effect of this product are not available.

Further ecologic data

Do not allow entrance in waters, wastewater, or soil.

Dispose according to local authority regulations.

14. TRANSPORT INFORMATION

International Rules (as marker)
UN Classification: Not applicable
UN number: Not applicable
UN Name: Not applicable

15. REGULATORY INFORMATION

Not available.

16. OTHER INFORMATION

Keep out reach of baby or children.
For further information, please contact us.