

Material Safety Data Sheet

22110-XXXX	22186-XXXX
22111-XXXX	21395-XXXX
22113-XXXX	
22115-1002	-1003

Too Marker Products Inc.

Ebisu Subaru Bldg. 4F., 20-8, Ebisu 1-chome, Shibuya-ku, Tokyo, Japan
(Phone)03-3440-6141 (Fax)03-3440-6151

January 01, 2009

Product Name: Copic - Copic sketch - COPIC ciao - Copic Wide - Various Ink

Hazardous Component:	Ethanol	77.4(Wt%)
	Isopropanol	4.4(Wt%)
	n-Propanol	8.7(Wt%)
	Ester of Maleic Resin	7.0(Wt%)
	Octylphenoxypolyethoxyethanol Nonioni	1.3(Wt%)
	Ionol CP	0.6(Wt%)
	dyes	0.6(Wt%)
	Total:	100.0(Wt%)

This artist drawing and marker ink is a professional artist's product that is not intended for use by children. Keep out of the reach of children.
Flammable. Eye Irritant. Avoid inhalation. Vapor may be harmful.

Physical and Chemical Characteristics

Classification:	Inflammable liquid
Boiling Point:	Not known
Vapor Pressure:	Not known
Vapor Density:	Not known
Solubility in Water:	Moderate
Specific Gravity:	0.79
Melting Point:	Not Applicable
Evaporation Rate:	Rapid
Odor:	Alcohol-Like
Appearance:	Various COPIC Colors - Liquid Inks

Fire and Explosion Hazard Data

Flash Point:	60°F(15.5°C)
Lower Flammable Limit:	Not known
Upper Flammable Limit:	Not known
Fire extinguishing media:	Powder, carbonic acid gas, or alcoholm.
Special Fire Fighting Procedure:	Use powder, carbonic acid gas, or alcoholm can be used for initial stage. Report to the appropriate authorities to seek for assistance. Prohibit unauthorized persons to enter the area the fire broke out. If the fire started out from the peripheral area, sprinkle water on surrounding facilities to cool off. If the container is movable, transfer it to a safe place promptly.

Unusual Fire & Explosion Hazard: None**Reactivity Data**

Stability:	Stable: Yes
Conditions to Avoid:	Avoid storage in areas of excessive heat.
Incompatibility (Avoid):	None Known
Hazardous Decomposition:	No
Hazardous Polymerization:	No
Conditions to Avoid:	None Known

Health Hazard Data

Physical Hazards:	Due to the nature of inflammable liquid, it is prone to form explosive compound with oxygen.
Health Hazards:	When absorbs steam, it functions as an anesthetic, and causes such symptoms as mucous membrane irritation, dizziness, numbness, and headache after repeated exposure.

~~The user should judge both the accuracy and the suitability of this~~

information for any intention or purpose. No other warranty is given.

First Aid:

Eye Contact: Flush the eye with fresh water for at least 15 minutes. Seek ophthalmologist assistance immediately.
Skin Contact: Remove the contaminated clothes immediately. Wash the affected area with large quantities of water and soap.
Inhaled: Transport the victim in fresh air, keep the victim repose and warm, and seek medical help immediately. If the victim is not breathing give mouth-to-mouth resuscitation, in case of difficult breathing administer oxygen inhalations.
Swallowed: Give a plenty of water or salt water, put fingers down the throat to induce vomit, and seek medical help immediately. Do not give an unconscious victim anything orally.

Precaution for Safe Handling and Use**In Case of Spill:**

Due to the osmotic and volatile nature, remove any possible sources of ignition immediately. For small amount, use suitable absorbent such as sand, sawdust, wess and exercise caution in collection, or immediately flush it out by large quantities of water.

For large amount, block the flow by materials such as sand; lead it to a safe place to collect it into seal container as much as possible.

Flush out the remaining portion of the spill by large quantities of water. In this case, need to make sure that the concentrated liquid would not be flown out into nearby rivers and other water bodies.

Waste Disposal Method

Dispose in accordance with State and Federal regulations for flammable liquid.

Precaution

Use with adequate ventilation. Avoid exposure to fire and flame.

Other Precautions

None Known.

Control Measures**Respiratory Protection:**

Not usually required but NIOSH approved respirator may be used.

Local Exhaust:

Yes

Special Local Exhaust:

Not usually required except in spray applications.

Mechanical Exhaust:

Local or room exhaust suggested.

Other Mech. Exhaust:

Not specifically suggested.

Protective Gloves:

Yes to avoid skin contact.

Eye Protection:

Chemical goggles or face shield to avoid splash.

Other Protective Clothing or**Equipment:**

Artist's impervious apron, rubber gloves, safety shoes, gas mask (application dependent)

Work/Hygienic Practices:

Keep markers and ink containers closed when not in use. Use standard Artist's precautions. Do not spray or airbrush without adequate ventilation. Avoid inhalation of mist or spray.

Handling and Storage:

Handling: Do not place it close by or pour it over open flame or sources of ignition to evaporate the liquid unnecessarily. Do not heat the liquid. Always keep the handling site tidy, and do not leave any inflammable or oxygenic materials.

Storage: Store in accordance with State and Federal regulation, where well-ventilated to avoid steam build-ups. Keep away from any sources of ignition or other dangerous locations; watch the temperature and humidity, and store it in a cool, dry area out of direct sunlight. It is strictly prohibited to store with the hazardous materials under the State and Federal regulation.

Product Safety Sheet

Product Name	Copic - Copic Sketch - Comic Marker - Various Ink		
Specification of the Contents	Component (Compounds)		
	<ul style="list-style-type: none"> • Ethanol 77.4 (Wt%) see attached • Isopropanol 4.4 (Wt%) see attached • n-Propanol 8.7 (Wt%) see attached • <i>Markeid</i> NO 32 7.0 (Wt%) see attached • TRITON X-45 1.3 (Wt%) see attached • <i>Ionole</i> CP 0.6 (Wt%) see attached • Neozapon Red 395 0.1 (Wt%) see attached • Neozapon Blue 807 0.2 (Wt%) see attached • Neozapon Yellow 141 0.1 (Wt%) see attached • Orasol Black CN 0.2 (Wt%) see attached 		
Physical and Health Hazards	<ul style="list-style-type: none"> • Classification: inflammable liquid • Physical Hazards: Due to the nature of inflammable liquid, it is prone to form explosive compound with oxygen. • Health Hazards: When absorbs steam, it functions as an anesthetic, and causes such symptoms as mucous membrane irritation, dizziness, numbness, and headache after repeated exposure. 		
First Aid	<ul style="list-style-type: none"> • Eye Contact: Flush the eye with fresh water for at least 15 minutes. Seek ophthalmologist assistance immediately. • Skin Contact: Removed the contaminated clothes immediately. Wash the affected area with large quantities of water and soap. • Inhaled: Transport the victim in fresh air, keep the victim repose and warm, and seek medical help immediately. If the victim is not breathing give mouth-to-mouth resuscitation, in case of difficult breathing administer oxygen inhalations. • Swallowed: Give a plenty of water or salt water, put fingers down the throat to induce vomit, and seek medical help immediately. Do not give an unconscious victim anything orally. 		
In Case of Fire	<ul style="list-style-type: none"> • Fire extinguishing method: Use powder, carbonic acid gas, or <i>alcoholm</i> can be used for initial stage. Report to the appropriate authorities to seek for assistance. Prohibit unauthorized persons to enter the area the fire broke out. If the fire started out from the peripheral area, sprinkle water on surrounding facilities to cool off. If the container is movable, transfer it to a safe place promptly. • Fire extinguishing materials: Powder, carbonic acid gas, or <i>alcoholm</i>. 		
In Case of Spill	<ul style="list-style-type: none"> • Due to the osmotic and volatile nature, remove any possible sources of ignition immediately. • For small amount, use sand, sawdust, wess to absorb, or immediately flush it out by large quantities of water. • For large amount, block the flow by materials such as sand; lead it to a safe place to collect it into seal container as much as possible. Flush out the remaining portion of the spill by large quantities of water. In this case, need to make sure that the concentrated liquid would not be flown out into nearby rivers and other water bodies. 		