

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Ink for Copic Gasen Fude Brush Pen
UN-No	N/A
Recommended Use	N/A
Supplier Address	Too Marker Products Inc. TOC Bldg. 8F, 7-22-17 Nishi-Gotanda, Shinagawa-Ku Tokyo 141-0031 Japan
Emergency Telephone Number	(+81) 3-5719-2657

2. HAZARDS IDENTIFICATION

WARNING!

Emergency Overview

May cause eye irritation.
May cause adverse heart or liver effects.
May cause central nervous system depression.

Appearance Black

Physical State Liquid.

Odor Very slight odor of organic solvent

Potential Health Effects

Principle Routes of Exposure Skin contact. Eye contact.

Acute Toxicity

Eyes	Not classified
Skin	Not classified
Inhalation	Not classified
Ingestion	Not classified

Chronic Effects	Avoid repeated exposure. Contains a known or suspected reproductive toxin.
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Aggravated Medical Conditions	Eye irritation. Female and male reproductive disorder(s). Overexposure may cause may suffer serious organ failure such as kidney disorder(s). Cardiac damage(s). (Central) nervous system anomalies.
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Interactions with Other Chemicals	No information available.
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Environmental Hazard	No information available.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

This artist drawing ink is a professional artists' product that is not intended for use by children. Keep out of the reach of children. Non-Flammable.

Chemical Name	CAS-No	Weight %
Ethrene Glycol	107-21-1	10-20%
Diethylene Glycol	111-46-6	5-10%
Diethylene Glycol Monobutyl Ether	112-34-5	1-5%
Glycerin	56-81-5	5-10%
Potassium Hydroxide	1310-58-3	<1%
C.I. Pigment Black 7	1333-86-4	5-10%
Urea	57-13-6	5-10%
Isopropyl Alcohol	67-63-0	1-5%
Water	7732-18-5	40-60%
Polymetric Copolymer Compound	N/A	1-5%

4. FIRST AID MEASURES

Eye Contact	Rinse immediately with plenty of fresh water, also under the eyelids, for at least 5 minutes. Consult a physician as needed.
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Skin Contact	Wash skin with soap and water and take off the contaminated clothes. In the case of skin irritation or allergic reactions see a physician.
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Inhalation	Move victim to fresh air. Rinse out the nose and mouth. If symptoms persist, call a physician.
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Ingestion	Put fingers down the throat and spit up as much as possible. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious victim.
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Notes to Physician	N/A
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Protection of First-aiders	N/A
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5. FIRE-FIGHTING MEASURES

Flammable Properties	Non-Flammable.
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Flash Point	N/A
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Suitable Extinguishing Media	Fogged water, Co2, dry sand and atomized or foamy extinguishing agent.
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Unsuitable Extinguishing Media	CAUTION: Do not use straight streams.
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Explosion Data	
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Sensitivity to Mechanical Impact	Not specifically suggested.
Sensitivity to Static Discharge	Not specifically suggested.
Specific Hazards Arising from the Chemical	Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Move the container to safe place immediately. Work from windward.

NFPA

Health Hazard N/A

Flammability N/A

Stability N/A

Physical and Chemical Hazards N/A

HMIS

Health Hazard N/A*

Flammability N/A

Physical Hazard N/A

Personal Protection
N/A

**Indicates a chronic health hazard.*

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	In case of spill, collect the leakage in a tightly closed container. Move the container to the safe place immediately. Dispose the extraneous matter in accordance with the relevant laws and regulations.
Environmental Precautions	Prevent entry into river, waterways or sewers.
Methods for Containment	Absorb or cover with dry earth or sand and transfer to containers.
Methods for Cleaning Up	Use clean tools to collect absorbed material.
Other Information	N/A

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Wear protective gear. Do not swallow and avoid contact with skin, eyes and clothing.
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Storage	Keep metal/plastic containers tightly closed in a cool, dry place. Keep in properly labeled containers. Keep away from direct sunlight, high temperature or freezing. Store in accordance with the relevant regulations.
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	N/A
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Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
N/A	N/A	N/A	N/A

NIOSH IDLH: Immediately Dangerous to Life or Health

Other Exposure Guidelines	N/A
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Engineering Measures	N/A
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Personal Protective Equipment	
Eye/Face Protection	Tightly fitting safety goggles.
Skin and Body Protection	Protective rubber gloves. Lightweight protective clothing. Protective footwear.
Respiratory Protection	None

Hygiene Measures	N/A
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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Black
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Odor	Very slight odor of organic solvent
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Odor Threshold	No information available
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Physical State	Non-flammable liquid ink
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pH	8.0-10.5pH
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Flash Point	N/A
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Autoignition Temperature	N/A
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Decomposition Temperature	No information available
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Boiling Point/Range	N/A	(based on Ethanol): 78.3°C
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Melting Point/Range	No information available
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Flammability Limits in Air	No information available
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Explosion Limits	No information available
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Specific Gravity	N/A
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Solubility	Mixable with water
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Evaporation Rate	No data available
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Vapor Pressure	N/A
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Vapor Density	N/A
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VOC Content (%)	No data available	84.483
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10. STABILITY AND REACTIVITY

Stability	Stable under normal temperature.
Incompatible Products	Unknown.
Conditions to Avoid	Unknown.
Hazardous Decomposition Products	No.
Hazardous Polymerization	No.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Not classified
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Product Information	
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Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethrene Glycol	No data available	No data available	No data available
Diethylene Glycol	No data available	No data available	No data available
Diethylene Glycol Monobutyl Ether	No data available	No data available	No data available
Glycerin	No data available	No data available	No data available
Potassium Hydroxide	No data available	No data available	No data available
C.I. Pigment Black 7	No data available	No data available	No data available
Urea	No data available	No data available	No data available
Isopropyl Alcohol	No data available	No data available	No data available
Water	No data available	No data available	No data available
Polymetric Copolymer Compound	No data available	No data available	No data available

Chronic Toxicity	Eye irritation. Female and male reproductive disorder(s). Overexposure may cause may suffer serious organ failure such as kidney disorder(s). Cardiac damage(s). (Central) nervous system anomalies..
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Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen. Ethanol has been shown to be carcinogenic in long-term studies only when consumed and abused as an alcoholic beverage.
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Chemical Name	ACGIH	IARC	NTP	OSHA
Ethrene Glycol	STEL 100mg/m3	No data available	No data available	No data available
Diethylene Glycol	No data available	No data available	No data available	No data available
Diethylene Glycol Monobutyl Ether	No data available	No data available	No data available	No data available
Glycerin	STEL 10mg/m3	No data available	No data available	No data available
Potassium Hydroxide	STEL 2mg/m3	No data available	No data available	No data available
C.I. Pigment Black 7	STEL 3.5/m3	No data available	No data available	No data available
Urea	No data available	No data available	No data available	No data available
Isopropyl Alcohol	TWA 200ppm STEL400ppm	No data available	No data available	No data available
Water	No data available	No data available	No data available	No data available
Polymetric Copolymer Compound	No data available	No data available	No data available	No data available

ACGIH: (American Conference of Governmental Industrial Hygienists) No data available
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IARC: (International Agency for Research on Cancer) No data available
NTP: (National Toxicity Program) No data available
OSHA: (Occupational Safety & Health Administration) No data available

Target Organ Effects	Kidney or cardiac function. Central nervous system (CNS). Reproductive system. Eyes. Respiratory system. Skin.
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12. ECOLOGICAL INFORMATION

Ecotoxicity	Not classified
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Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Ethrene Glycol	No data available	No data available	No data available	No data available
Diethylene Glycol	No data available	No data available	No data available	No data available
Diethylene Glycol Monobutyl Ether	No data available	No data available	No data available	No data available
Glycerin	No data available	No data available	No data available	No data available
Potassium Hydroxide	No data available	No data available	No data available	No data available
C.I. Pigment Black 7	No data available	No data available	No data available	No data available
Urea	No data available	No data available	No data available	No data available
Isopropyl Alcohol	No data available	No data available	No data available	No data available
Water	No data available	No data available	No data available	No data available
Polymetric Copolymer Compound	No data available	No data available	No data available	No data available

Chemical Name	Log Pow
Ethrene Glycol	No data available
Diethylene Glycol	No data available
Diethylene Glycol Monobutyl Ether	No data available
Glycerin	No data available
Potassium Hydroxide	No data available
C.I. Pigment Black 7	No data available
Urea	No data available
Isopropyl Alcohol	No data available
Water	No data available
Polymetric Copolymer Compound	No data available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods	Recover free liquid and dispose in accordance with the relevant regulations.
Contaminated Packaging	Do not re-use empty containers.

US EPA Waste Number	No data available
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This product contains at least one substance that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Diethylene Glycol	No information available
Diethylene Glycol Monobutyl Ether	No information available
Glycerin	No information available
Potassium Hydroxide	No information available
C.I. Pigment Black 7	No information available
Urea	No information available
Isopropyl alcohol	Toxic Ignitable
Water	No information available

14. TRANSPORT INFORMATION

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DOT		
Proper Shipping Name	No information available	
Hazard Class	No information available	
UN-No	No information available	
Packing Group	No information available	
Description	No information available	
TDG		
Proper Shipping Name	No information available	
Hazard Class	No information available	
UN-No	No information available	
Packing Group	No information available	
Description	No information available	
MEX		
Proper Shipping Name	No information available	
Hazard Class	No information available	
UN-No	No information available	
Packing Group	No information available	
Description	No information available	
ICAO		
UN-No	No information available	
Proper Shipping Name	No information available	
Hazard Class	No information available	
Packing Group	No information available	
Description	No information available	
IATA		
UN-No	No information available	
Proper Shipping Name	No information available	
Hazard Class	No information available	
Packing Group	No information available	
ERG Code	No information available	
Description	No information available	
IMDG/IMO		
Proper Shipping Name	No information available	
Hazard Class	No information available	
UN-No	No information available	
Packing Group	No information available	
EmS No.	No information available	
Description	No information available	
RID		
Proper Shipping Name	No information available	
Hazard Class	No information available	
UN-No	No information available	
Packing Group	No information available	
Classification Code	No information available	
Description	No information available	
ADR/RID-Labels	No information available	

ADR		
	Proper Shipping Name	No information available
	Hazard Class	No information available
	UN-No	No information available
	Packing Group	No information available
	Classification Code	No information available
	Description	No information available
ADN		
	Proper Shipping Name	No information available
	Hazard Class	No information available
	UN-No	No information available
	Packing Group	No information available
	Classification Code	No information available
	Special Provisions	No information available
	Description	No information available
	Hazard Labels	No information available
	Limited Quantity	No information available
	Ventilation	No information available

15. REGULATORY INFORMATION

<u>International Inventories</u>	
TSCA	Not determined
DSL	Not determined
EINECS	Not determined
ENCS	Not determined
IECSC	Not determined
KECL	Not determined
PICCS	Not determined
AICS	Not determined
<u>Legend</u>	
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory	
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List	
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances	
ENCS - Japan Existing and New Chemical Substances	
IECSC - China Inventory of Existing Chemical Substances	
KECL - Korean Existing and Evaluated Chemical Substances	
PICCS - Philippines Inventory of Chemicals and Chemical Substances	
AICS - Australian Inventory of Chemical Substances	
<u>U.S. Federal Regulations</u>	

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). There is no information available to confirm whether this product contains any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

	Acute Health Hazard	No information available
	Chronic Health Hazard	No information available
	Fire Hazard	No information available
	Sudden Release of Pressure Hazard	No information available
	Reactive Hazard	No information available

Clean Water Act

There is no information available to confirm whether this product contains any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

U.S. State Regulations

California Proposition 65

There is no information available to confirm whether this product contains the Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Diethylene Glycol	No data available	No data available	No data available	No data available	No data available
Diethylene Glycol Monobutyl Ether	No data available	No data available	No data available	No data available	No data available
Glycerin	No data available	No data available	No data available	No data available	No data available
Potassium Hydroxide	No data available	No data available	No data available	No data available	No data available
C.I. Pigment Black 7	No data available	No data available	No data available	No data available	No data available
Urea	No data available	No data available	No data available	No data available	No data available
Isopropyl Alcohol	No data available	No data available	No data available	No data available	No data available
Water	No data available	No data available	No data available	No data available	No data available
Polymetric Copolymer Compound	No data available	No data available	No data available	No data available	No data available

International Regulations**Mexico - Grade**

Severe risk, Grade 4

Chemical Name	Carcinogen Status	Exposure Limits
Diethylene Glycol	No data available	No data available
Diethylene Glycol Monobutyl Ether	No data available	No data available
Glycerin	No data available	No data available
Potassium Hydroxide	No data available	No data available
C.I. Pigment Black 7	No data available	No data available
Urea	No data available	No data available
Isopropyl Alcohol	No data available	No data available
Water	No data available	No data available
Polymetric Copolymer Compound	No data available	No data available

Canada

There is no information available to confirm whether this product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

No data available

Chemical Name	NPRI
Diethylene Glycol	No data available
Diethylene Glycol Monobutyl Ether	No data available
Glycerin	No data available
Potassium Hydroxide	No data available
C.I. Pigment Black 7	No data available
Urea	No data available
Isopropyl Alcohol	No data available
Water	No data available
Polymetric Copolymer Compound	No data available

Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Prepared By	N/A
Revision Date	

Revision Note	Initial Release.
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General Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet