Safety Data Sheet (SDS)

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY/UNDERTAKING

Chemical product name	:	COPIC INK
Product code	:	
Supplier information		
Company name	:	Too Marker Products Inc.
Address	:	7-22-17 Nishi-Gotanda, Shinagawa-ku, Tokyo, JAPAN
Department in charge	:	
Phone number	:	+81-3-5719-2657
FAX number	:	
e-mail address	:	operations@toomarker.co.jp
Emergency phone number	:	
Recommended use	:	Drawing ink
Restriction on use	:	Any uses other than recommended use
Manufacturer information in Japan	:	Not applicable.

2. HAZARDS IDENTIFICATION

GHS Classification

Physical hazards		
Flammable liquid	:	Category 2
Health hazards		
Acute toxicity (Oral)	:	Not classified.
Acute toxicity (Dermal)	:	Not classified.
Acute toxicity (Inhalation: Vapours)	:	Not classified.
Skin corrosion/irritation	:	Category 2
Serious eye damage/eye irritation	:	Category 1
Skin sensitization	:	Category 1
Carcinogenicity		Category 1A
Reproductive toxicity		Category 1A
Specific target organ toxicity (single exposure)		Category 2 (Central nervous system, Systemic toxicity) Category 3 (Respiratory tract irritation, Narcotic effects))
Specific target organ toxicity (repeated exposure)		Category 1 (Liver) Category 2 (Central nervous system, Blood system)
Environmental hazard		
Aquatic hazard (Acute)	:	Category 3
Aquatic hazard (Long-term)	:	Category 3

Other hazards are either of ‘Not classified’ or ‘Classification not possible’.

GHS label elements

Pictogram or symbol :

Signal word : Danger

Hazard statement :
H225 Highly flammable liquid and vapour
H315 Causes skin irritation
H317 May cause allergic skin reaction
H318 Causes serious eye damage
H350 May cause cancer
H360 May damage fertility or the unborn child
H371 May cause damage to central nervous system and systemic toxicity
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness
H372 Causes damage to liver through prolonged or repeated exposure
H373 May cause damage to blood and central nervous system through prolonged or repeated exposure
H412 Harmful to aquatic life with long lasting effects

Precautionary statement

Safety measures :
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. -No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe mist/vapours/spray.
P264 Wash the hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response :
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P303+361+353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+310+313 IF exposed or concerned: Immediately call a doctor and get medical advice/attention.
P312+314 Call a doctor and get medical advice/attention if you feel unwell.
P332+313 If skin irritation occurs: Get medical advice/attention.
P333+313 If skin irritation or rash occurs: Get medical advice/attention.

		P362+364 Take off contaminated clothing and wash it before reuse. P370+378 In case of fire: Use powder extinguisher, carbon dioxide, sprinkling water, alcohol resistant foam to extinguish.
Storage	:	P403+233+235 Store in a well-ventilated place. Keep container tightly closed. Keep cool. P405: Store locked up.
Disposal	:	P501: Dispose of contents/container by contracting an agency for industrial waste disposal licensed by the prefectural governor.
Other hazards which do not result in classification or are not covered by the GHS	:	No information available.
Most important symptoms and potential emergency situations	:	No information available.
Other regulatory information	:	Fire Service Act, Hazardous materials, Category IV, Flammable liquids, Alcohols, "No Fire"
Additional information	:	The Marker pen (a consumer product name of COPIC Classic/Sketch/Ciao) containing COPIK INK is assigned to UN3175 for UN transport of dangerous goods (see more details in SECTION 14).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical substance/mixture	:	Mixture
Chemical name or generic name	:	COPIC INK

Components and concentrations

Component	Chemical formula	CAS number	Concentration	Reference number in gazetted list
Ethyl alcohol	C2H5OH	64-17-5	65-85%	CSCL: 2-202 ISHL: Existing
1-Propanol	C3H7OH	71-23-8	< 10%	CSCL: 2-207 ISHL: Existing
Isopropyl alcohol	(CH3)2CHOH	67-63-0	< 5%	CSCL: 2-207 ISHL: Existing
Poly (oxyethylene) alkyl ether	CH(OCH2CH2)nOH	84133-50-6	2.5%	CSCL: 7-97 ISHL: Existing
Rosin-modified maleic acid resin	Not specified	Confidential	3-10%	Confidential (Existing)
2,6-di-tertiary-butyl-4-cresol	C15H24O	128-37-0	Less than 1%	CSCL: 3-540, 9-1805 ISHL: Existing
Dye (Chromium and its compounds)	Confidential	Confidential	Less than 7% as a dye containing Chromium	Confidential (Existing)
Dye (Cobalt and its compounds)	Confidential	Confidential	Less than 3.5% as a dye containing Cobalt	Confidential (Existing))
Dyes (Copper and its compounds)	Confidential	Confidential	Less than 7% as a dye containing Copper	Confidential (Existing))

CSCL: Chemical Substances Control Law
ISHL: Industrial Safety and Health Law

4. FIRST AID MEASURES

IF INHALED	:	Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell. IF exposed or concerned, get medical advice/attention.
IF ON SKIN	:	Take off immediately all contaminated clothing. Rinse skin with running water/shower. Take off contaminated clothing and wash it before reuse. Clean the skin immediately. Get medical advice/attention if you feel unwell. If skin irritation or rash occurs, get medical advice/attention. IF exposed or concerned, get medical advice/attention.
IF IN EYES	:	Wash the eyes carefully with water. Remove contact lenses, if present and easy to do. Continue rinsing. Call a doctor immediately.
IF SWALLOWED	:	Rinse the mouth. Call a doctor if you feel unwell. IF exposed or concerned, get medical advice/attention.
Expected acute and delayed symptoms and the most important symptoms	:	Nothing special.
Protection of the person who gives the first aid	:	When treating victims, wear suitable protective equipment depending on the situation. First aid should be provided by appropriately trained personnel.
Special instructions to the medical doctor	:	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	In case of a small fire: powder extinguisher, carbon dioxide, sprinkling water, alcohol resistant foam In case of a large fire: sprinkling water, water fog spray, alcohol resistant foam
Unsuitable extinguishing media	:	Straight water
Specific hazards arising from the fire	:	Extremely flammable: easily ignited by heat, sparks, and flames. Vapour forms an explosive mixture with air. Vapour may reach the ignition source and ignite. Vapour is heavier than air, spreads along the ground and accumulates at a low or confined place. Risk of vapour explosion indoors, outdoors, or in sewers. Discharging into sewers may cause fire or explosion. The container may explode by heating. Inhalation or contact may cause irritation or inflammation to the skin or eyes. Irritant, corrosive and/or toxic gases may be generated in the event of a fire. Vapour may cause dizziness and asphyxia. Inhalation may be harmful. Fire extinguishing water may cause pollution.

Specific fire fighting method	:	Extremely low flash point: Spray water if there is no fire extinguishing effect by other extinguishers. If there is no risk, move the containers away from the fire zone. Fight fire from the most distant place within the effective range using unmanned hoses or monitored nozzles. In the case of a large fire, extinguish the fire using unmanned hoses or monitored nozzles. If this is not possible, evacuate from the fire and give up extinguishing the fire. Even after extinguishing the fire, the containers are sufficiently cooled with a large amount of water.
Special protective actions for fire-fighters	:	Use a self-contained breathing apparatus (SCBA) for a large fire. Fire protection suits provide only limited protection in the event of a fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Immediately isolate the leakage area as a leak zone with an appropriate distance in all directions. Keep unauthorized persons away. Stay upwind. Keep out of low areas. Do not touch or walk through the leaks. Before entering into a confined place, ventilate the place. Workers should wear appropriate protective equipment (see 8. EXPOSURE CONTROLS/PERSONAL PROTECTION) to avoid contact with eyes and skin, or inhalation.
Environmental precautions	:	Do not release into the environment. Avoid environmental impacts caused by releasing the product to rivers, etc. Avoid inflow to drainage, sewage ditches, basements, or other confined places.
Methods and materials for containment and cleaning up	:	Remove all sources of ignition. (Prohibit smoking, sparks and open flames in the vicinity.) Stop leakage if safe to do so. In small leakage: Use dry soil, sand, or non-flammable absorbent to absorb or cover the leakage, and collect them in an empty container to be tightly closed. Dispose of later. In small leakage: Use clean, antistatic tools to collect the absorbed leakage with the absorbent. In large leakage: Prevent outflow by surrounding with embankment, lead to a safe place, and collect it. In large leakage, sprinkling water lowers the vapor concentration. However, in a confined place, it may be unable to prevent combustion. Ground all equipment used for handling the leakage. Use vapour suppression foam to lower the vapour concentration.
Prevention of secondary disaster	:	Keep unauthorized persons away.

7. HANDLING AND STORAGE

Safe handling

Engineering measures	:	This product contains substances subject to risk assessment and being dangerous substances (flammable) under the Industrial Safety and Health Law. Also it falls under the category of flammable liquids under Fire

Service Act. Therefore the risk assessment should be conducted, and take measures stipulated in the relevant laws and regulations under the Industrial Safety and Health Law, and other necessary measures to prevent workers from dangers.

Install thermometers, hygrometers, pressure gauges, and other gauges in the process for monitoring as necessary. Handle the product so as to maintain the appropriate temperature, humidity, or pressure according to the nature of the product. If any abnormalities are detected, appropriate measures should be taken immediately.

Take facility measures described in "8. EXPOSURE CONTROLS/PERSONAL PROTECTION" and wear protective equipment.

Precautions for safe handling : Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Prohibit using fire, spark or high temperature materials.

Do not handle the container roughly by overturning, dropping, impacting, or dragging.

Avoid contact, inhalation or ingestion.

Avoid contact with the eye.

Use exhaust ventilation to keep the airborne concentration below the occupational exposure limits.

Do not eating, drinking, or smoking while using this material.

Use only outdoors or in a well-ventilated area.

Avoid release to the environment.

Contact avoidance (Incompatible materials) : See "10. STABILITY AND REACTIVITY"

Hygienic measures : Contaminated work clothing should not be allowed out of the workplace.

Install facilities for washing eyes/body, and/or for gargling, dressing rooms, and a facility for laundering. A resting room should be in a place where it keeps away from the workplaces.

Wash hands, arms, and face well after handling products as well as before eating, drinking, smoking, using toilets, or at the end of work.

Clean the workplace to keep in good hygiene.

Storing conditions

Appropriate storing conditions : Apply the fireproof structure to walls, pillars and floors of the storage room. Use noncombustible material for beams.

Use fire-resistant construction for roofs of the storage room. Cover the roof with sheet metal plates or other light-weight noncombustible materials. Do not make ceilings.

For floors of the storage room, apply a structure that prevents water influx/infiltration.

For floors of the storage room, apply a structure that prevents infiltration of hazardous substances, and make appropriate slopes and cesspools.

In the storage room, install the daylighting, lighting, and ventilating equipment needed for storing or handling hazardous substances.

Keep container tightly closed. Store in a cool, well-ventilated place.

Keep away from ignition sources such as heat, sparks, and open flames. -No smoking.

Store away from oxidizer.

Protect the container from direct sunlight or fire.

Store locked up.

Appropriate container material	:	Use containers designated by the Fire Service Act and the U.N. transportation regulations for storage. The container should be labeled with a GHS label.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Allowable exposure limit

Administrative Control Level	:	Isopropyl alcohol: 200 ppm
The Japan Society for Occupational Health	:	Isopropyl alcohol: 400 ppm (980 mg/m^3)
ACGIH	:	Ethyl alcohol: STEL 1000 ppm Isopropyl alcohol: TWA 200 ppm, STEL 400 ppm 1-Propanol (n-Propyl alcohol): TWA 100 ppm
Facility measures	:	As this product contains the substance subjected a risk assessment under the Industrial Safety and Health Act, the risk assessment shall be conducted. Based on the risk assessment conducted, necessary measures shall be taken to remove health hazard to workers. This product contains Isopropyl alcohol as a second-class organic solvent under Ordinance on Prevention of Organic Solvent Poisoning. Therefore, pursuant to the ordinance, in a working place with poor ventilation, wholly enclose the emission source of organic solvent vapour, or install a local exhaust ventilation or push-pull type ventilation at the emission source, or install a general ventilation system. Although the above necessary facility measures are taken, if there may be a remaining risk to expose over the exposure limits, wear a respiratory protection mask. Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against static discharge. Install face-washing facility and safety shower in the working place for storing and handling this product. When vapour, fume, and mist are generated in the process, install an exhaust ventilation to keep airborne pollutants below the Administrative control levels and/or Allowable exposure limits.

Personal protection equipment

Respiratory protection	:	Wear an air-supplied mask or gas mask for organic gases. Wear personal respiratory protection if necessary. When the Ordinance on Prevention of Organic Solvent Poisoning requires, or there is a risk that an exposure of vapour exceeding to occupational exposure limits occurs, or if necessary, wear an air-supplied mask or a national certificated gas mask for organic gases. For a proper use, or maintenance, follow the related regulations, or user's manual of the manufacturers.
Hand protection	:	Wear protective gloves. When wearing protective gloves, check the specification, such as a breakage time, announced by the glove manufacturer. Check the condition of the glove during use. Replace the gloves if it is damaged or torn.
Eye/face protection	:	Use eye protection. Wear protective goggles for chemical droplet and/or an appropriate protective face mask. Wear safety eyeglasses. If there is a risk of eye or facial exposure to splash or spray, wear

		chemical splash goggles and a face shield.
Skin and body protection	:	Use face protection. Wear impermeable protective clothing. Wear personal protective clothing and face shield if necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Liquid
Color	:	Translucent
Odor	:	Slight alcohol odor
Melting/freezing point	:	Product: No data available -117°C (Ethanol), -127°C (1-Propanol), -90°C (Isopropanol)
Boiling point, initial boiling point and boiling range	:	Product: No data available 79°C (Ethanol), 97°C (1-Propanol), 83°C (Isopropanol)
Combustibility	:	This product is classified as Flammable liquid, Category 2 in GHS, and as Flammable dangerous materials in the Industrial Safety and Health Act.
Lower and upper explosion limit/ flammability limit	:	Product: No data available Lower limit: 3.3vol% (Ethanol), 2.1vol% (1-Propanol), 2.0vol% (Isopropanol) Upper limit: 19.0vol% (Ethanol), 13.5vol% (1-Propanol), 12vol % (Isopropanol)
Flash point	:	14.3℃
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
pH	:	No data available
Viscosity	:	No data available
Solubility	:	Miscible with water
n-octanol/water partition coefficient (log value)	:	No data available
Vapour pressure	:	Product: No data available 5.8kPa (20°C) (Ethanol), 2.0kPa (20°C) (1-Propanol), 4.4kPa (20°C) (Isopropanol)
Density/Relative density	:	No data available
Relative gas density (Air = 1)	:	1.6 (Ethanol), 2.1 (1-Propanol), 2.1 (Isopropanol)
Particle characteristics	:	No data available
Other data	:	Nothing special

10. STABILITY AND REACTIVITY

Reactivity	:	Hazardous reaction do not occur under normal working conditions.
Chemical Stability	:	Stable under normal storage and working conditions.
Possibility of hazardous reactions	:	No hazardous reactions or polymerizations releasing excessive pressure or heat occur.
Conditions to avoid	:	Ignition sources such as heat, sparks, and open flames
Incompatible materials	:	The substance (Ethanol) reacts gradually with Calcium hypochlorite, Silver oxide or Ammonia, causing fire and explosion. The substance (Ethanol) reacts violently with Nitric acid, Silver nitrate, Mercuric nitrate or Magnesium perchlorate, causing fire and explosion

hazard.

Hazardous decomposition products	:	Carbon monoxide, Carbon dioxide, or hazardous substances of unknown structure may be generated.

11. TOXICOLOGICAL INFORMATION

Acute toxicity (Oral)	:	Product: Not classified. The acute toxicity estimate for the mixture is 2230.08 mg/kg, so it is classified as "Not classified" (34.1% of the mixture consists of ingredients of unknown toxicity). 【Ingredient information】 Dye A: 100 mg/kg 2,6-di-tert-butyl-4-methylphenol: 1559 mg/kg Dye B: 500 mg/kg, Dye D: > 2000 mg/kg, Dye E: > 3000 mg/kg 1-Propanol: 2695 mg/kg, Isopropyl alcohol: 4384 mg/kg、 Ethyl alcohol: 6200 mg/kg
Acute toxicity (Dermal)	:	Product: Not classified. The acute toxicity estimate for the mixture is 13749.52 mg/kg, so it is classified as "Not classified" (47.1% of the mixture consists of ingredients of unknown toxicity). 【Ingredient information】 1-Propanol: 4031 mg/kg, 2,6-di-tert-butyl-4-methylphenol: 2500 mg/kg, Ethyl alcohol: 20000 mg/kg, Isopropyl alcohol: 12870 mg/kg
Acute toxicity (Inhalation)	:	Product: Not classified (Vapour) The acute toxicity estimate for the mixture is 59322.01ppm, so it is classified as "Not classified (Vapour)" (21.1% of the mixture consists of ingredients of unknown toxicity). For the classification of Inhalation (mist), it is impossible to classify due to lack of data. 【Ingredient information】 Ethyl alcohol: 63000 ppm, Isopropyl alcohol: 29540 ppm
Skin corrosion/irritation	:	Product: Category 2 As the total concentration of ingredients of Category 2 exceeds the concentration limit of 10%, it is classified as Category 2. 【Ingredient information】 Dye B, Dye D, and Dye F are classified as Category 2.
Serious eye damage/eye irritation	:	Product: Category 1 As the total concentration of ingredients of Category 1 exceeds the concentration limit of 3%, it is classified as Category 1. 【Ingredient information】 1-Propanol, Dye C, Dye G, and Dye L are classified as Category 1.
Respiratory sensitization	:	Classification not possible due to lack of data.
Skin sensitization	:	Product: Category 1 As the concentration of ingredient of Category 1B exceeds the concentration limit of 1.0%, it is classified as Category 1. 【Ingredient information】

		Dye H: Category 1B 2,6-di-tert-butyl-4-methylphenol: Category 1B (not contributing to the classification of the mixture)
Germ cell mutagenicity	:	Classification not possible due to lack of data.
Carcinogenicity	:	Product: Category 1A As the concentration of ingredient of Category 1A exceeds the concentration limit of 0.1%, it is classified as Category 1A. 【Ingredient information】 Ethyl alcohol Category: 1A
Reproductive toxicity	:	Product: Category 1A As the concentration of ingredient of Category 1A exceeds the concentration limit of 0.3%, it is classified as Category 1A. 【Ingredient information】 Ethyl alcohol: Category 1A, 1-Propanol and Isopropyl alcohol: Category 2 (not contributing to classification of the mixture)
Specific target organ toxicity (Single exposure)	:	Product: Category 2 (Central nervous system, Systemic toxicity), Category 3 (Respiratory tract irritation, Narcotic effects) As the concentration of ingredient of Category 1 (Central nervous system, Systemic toxicity) ranges the concentration limit of (≧1.0%, <10%), it is classified as Category 2 (Central nervous system, Systemic toxicity). As the total concentration of ingredients of Category 3 (Respiratory tract irritation) exceeds the concentration limit of 20%, it is classified as Category 3 (Respiratory tract irritation). As the total concentration of ingredients of Category 3 (Narcotic effects) exceeds the concentration limit of 20%, it is classified as Category 3 (Narcotic effects). 【Ingredient information】 Isopropyl alcohol: Category 1 (Central nervous system, Systemic toxicity) Ethyl alcohol, 1-Propanol, Isopropyl alcohol, Dye D, and Dye F are classified as Category 3 (Respiratory tract irritation). Ethyl alcohol and 1-Propanol are classified as Category 3 (Narcotic effects).
Specific target organ toxicity (Repeated exposure)	:	Product: Category 1 (Liver), Category 2 (Central nervous system, Blood system) As the concentration of ingredient of Category 1 (Liver) exceeds the concentration limit of 10%, it is classified as Category 1 (Liver). As the concentration of each ingredient of Category 1 (Blood system) ranges the concentration limit of (≧1.0%, <10%), it is classified as Category 2 (Blood system). As the concentration of ingredient of Category 2 (Central nervous system) exceeds the concentration limit of 10%, it is classified as Category 2 (Central nervous system). 【Ingredient information】 Ethyl alcohol: Category 1 (Liver) Isopropyl alcohol and Dye H are classified as Category 1 (Blood system). Ethyl alcohol: Category 2 (Central nervous system)
Aspiration hazard	:	Classification not possible due to lack of data.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic hazard (Acute)	:	Product: Category 3 In the summation method, the value of (M × 100 × Category 1) + (10 × Category 2) + Category 3 exceeds 25%, therefore it is classified as Category 3. (30.1% of the mixture consists of ingredients of unknown hazards to the aquatic environment.) 【Ingredient information】 2,6-di-tert-butyl-4-methylphenol, Dye A, and polyoxyethylene alkyl ethers are classified as Category 1. Dye C, Dye G, and Dye I are classified as Category 2. Dye B, Dye J, and Dye K are classified as Category 3.
Aquatic hazard (Long term)	:	Product: Category 3 In the summation method, the value of (M × 100 × Category 1) + (10 × Category 2) + Category 3 exceeds 25%, therefore it is classified as Category 3. (33.9% of the mixture consists of ingredients of unknown hazards to the aquatic environment.) 【Ingredient information】 2,6-di-tert-butyl-4-methylphenol: Category 1 Dye C, Dye G, and Dye I are classified as Category 2. Dye B and Dye K are classified as Category 3.
Persistence/Degradability	:	No data available.
Bioaccumulation	:	No data available.
Mobility in soil	:	No data available.
Hazard to the ozone layer	:	Not applicable to this hazard. This product does not contain substances listed in the appendix of the Montreal protocol.
Additional information	:	Do not release a large amount of this product into sewers, drains, rivers, lakes, sea, the air, or soil as the product contains environmental pollutants.

13. DISPOSAL CONSIDERATIONS

Residual waste	:	Dispose of in accordance with relevant Acts, regulations and local standards. For waste disposal, consign to a waste disposal contractor licensed by the prefectural governor, or to a local authority if they can deal with the waste disposal. When consigning to the waste disposal contractor, fully inform to the contractor about possible danger and harmfulness of the product. Follow the standard of the Designated Controlled Industrial Waste in "Waste Management and Public Cleansing Law" for waste disposal, as the product is designated as the Designated Controlled Industrial Waste.
Polluted container and packing	:	Containers should be cleaned for recycle, or appropriately disposed of according to related regulations and rules by the regional government. Remove the content completely before disposal of empty containers.

14. TRANSPORT INFORMATION

International regulations

UN number	:	UN 1263
UN proper shipping name	:	PAINT
UN class	:	3
Packing group	:	II
Marine pollutant	:	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC code	:	If the product is transported in bulk, the regulations are applied to the product.

Japanese domestic regulations

Land transport regulations	:	Fire Service Act: Follow the regulations of Fire Service Act. Hazardous Materials, Category IV, Flammable liquids, Alcohols Poisonous and Deleterious substances Control Act: Not applicable.
Marine transport regulations	:	Follow the regulations of Ship Safety Act. UN 1263, PAINT, Class 3, Packaging group II
Air transport regulations	:	Follow the regulations of Civil Aeronautics Act. UN 1263, PAINT, Class 3, Packaging group II
Emergency response guidance No.	:	127
Special safety measures	:	Confirm no breakage, no corrosion or no leakage before transport. Take the preventive measures against the fall of the hazardous goods itself, or the fall, turnover or damage of the containers of the hazardous goods. Take measures to prevent from turnover, impact, friction, crush, leakage and so on during transportation. Protect from direct sunlight during transportation. Load the container by taking preventive measures against damage, corrosion, or leakage from the container, as well as against load collapse. If a disaster occurs due to an accident during transportation, report to the fire department or other relevant authorities nearby. Do not load heavy goods on the top. Take a Yellow Card with during transport.
Additional information	:	Marker pens (COPIC Classic/Sketch/Ciao) containing quantities of ≤ 10 mL of COPIC INK can be transported as non-hazardous goods without applying the criteria specified in this section.

Information on consumer products

Product Name	:	COPIC Classic/Sketch/Ciao A marker pen contains alcohol-based COPIC INK, hereinafter referring to COPIC marker pen.
Product Type	:	Finished Product - Consumer (Retail) Use Only
UN number	:	UN3175

UN Proper Shipping Name	:	Solids containing flammable liquid, n.o.s. (Contains: Ethyl alcohol and Propanol)
Special Provisions (SP)	:	UN SP 216 As a consumer product, COPIC marker pens meet the definition of UN3175. Although these products meet the definition of UN3175, they are exempt as a small sealed article or packet containing <10ml of fully absorbed liquid (i.e. COPIC INK) according to UN SP 216. 【The definition of UN SP 216】 Mixtures of solids which are not subject to these Regulations and flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, providing there is no free liquid visible at the time the substance is packaged and the packaging must pass a leak proof-ness test at the Packing Group II level. Small inner packaging consisting of sealed packets or articles containing less than 10 mL of a Packing Group II or III flammable liquid absorbed into a solid material are not subject to these Regulations provided there is no free liquid in the packet or article.
Air regulations	:	No dangerous goods, IATA/ICAO SP A46 (the same definition as UN SP 216)
Marine regulations	:	No dangerous goods, IMDG SP 216 (the same definition as UN SP 216)
Supplier	:	Too Marker Products Inc. 7-22-17 Nishi-Gotanda, Shinagawa-ku, Tokyo, 141-0031, Japan
Telephone	:	+81-3-5719-2655 (Available between 9:00~17:30, Monday to Friday Japan Standard Time)
E-Mail	:	contact@toomarker.co.jp

15. REGULATORY INFORMATION

The following is regulatory information in Japan

Industrial Safety and Health Act

- Substance for labeling, etc. and deliver of documents, etc. (Article 57 and 57-2) and for risk assessment (Article 57-3)	:	Ethanol: Label ≧0.1wt%, SDS ≧0.1wt% Propyl alcohol (including all the isomers such as 1-Propanol and Isopropyl alcohol) : Label ≧1wt%, SDS ≧0.1wt% 2,6-di-tertiary-butyl-4-cresol: Label ≧1wt%, SDS ≧0.1wt% Chromium and its compounds: Label ≧1wt%, SDS ≧0.1wt% Cobalt and its compounds: Label ≧0.1wt%, SDS ≧0.1wt% Copper and its compounds: Label ≧1wt%, SDS ≧0.1wt%
- Dangerous substances (Enforcement Order, Attached table 1)	:	Flammable dangerous materials
- Ordinance on Prevention of Organic Solvent Poisoning	:	Second-class organic solvent: Isopropyl alcohol
- Ordinance on Prevention of Hazards due to Specified Chemical Substances	:	Not applicable.

- Ordinance on Prevention of Lead Poisoning	:	Not applicable.
- Ordinance on Prevention of Hazards Due to Dust	:	Not applicable.
Pneumoconiosis Act	:	Not applicable.
Poison and Deleterious Substance Control Act	:	Not applicable.
PRTR Act	:	Class I Designated Chemical Substance: Poly (oxyethylene) alkyl ether, Cobalt and its compounds
Chemical Substances Control Law	:	Priority Assessment Chemical Substance: Isopropyl alcohol, 2,6-di-tert-butyl-4-methylphenol
Fire Service Act	:	Category IV, Flammable liquids, Alcohols
Explosives Control Act	:	Not applicable.
High Pressure Gas Safety Act	:	Not applicable.
Ship Safety Act	:	UN 1263, PAINT, Class 3, Packaging group II
Civil Aeronautics Act	:	UN 1263, PAINT, Class 3, Packaging group II
Labor Standards Act	:	Chemical substances which cause illness: Chromium and its compounds, Cobalt and its compounds Sensitizer: Cobalt and its compounds
Waste Management and Public Cleansing Act	:	Designated Controlled Industrial Waste (Waste oil) (Flammable liquids of flash point less than 70℃ under Fire Service Act)

16. OTHER INFORMATION

Contact information: Too Marker Products Inc.

Reference: GHS classifications in Database of NITE
EU CLP Regulation, AnnexVI
RTECS
ECHA C&L Inventory Database
ECHA Registered substances Database

Classification was performed according to JIS Z 7252:2019. The SDS was prepared according to JIS Z 7253:2019.

Disclaimer:
This SDS was just prepared based publicly available information and information that Too Marker Products Inc. has, and does not cover all chemical or technical information, therefore the SDS does not provide any guarantees. The precautions described herein are for normal handling, and therefore if the product is used under the special handling conditions, take this point into consideration.