

Safety Data Sheet

Material Name: COPIC INK

SDS ID: CA-242
In compliance with Regulation
(EC) 1907/2006 (REACH) as
amended

Section 1 - IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product Identifier:

Product Identifier: COPIC INK

Substance Registration Number(s)

This material is imported in amounts < 1 tonne/annum. The substances in this product are not subject to REACH.

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Identified Uses

marker pen

Uses Advised Against

None known.

1.3 Details of the supplier of the safety data sheet

Too Marker Products Inc.
7-22-17, NISHIGOTANDA, SHINAGAWA-KU,
TOKYO, 141-0031 JAPAN

Telephone number: (+81) 3-5719-2657
Email: tmp-jpn@toomarker.co.jp

1.4 Emergency Telephone Number

(+81) 3-5719-2657 (EU 1:00~11:00)

Section 2 - HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Classification according to Regulation (EC) No 1272/2008

Flammable liquid, Category 2

Eye Damage / Irritation, Category 1

Hazardous to the aquatic environment - chronic hazard, Category 2

Classification according to Directives 67/548/EEC and/or 1999/45/EC

F, Xi

R11 Highly flammable.

R41 Risk of serious damage to eyes.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label Elements

Labelling according to Regulation (EC) 1272/2008:

Symbol(s)



Signal Word

DANGER

Hazard Statement(s)

H225 Highly flammable liquid and vapour

Safety Data Sheet

Material Name: COPIC INK

SDS ID: CA-242
In compliance with Regulation
(EC) 1907/2006 (REACH) as
amended

H318 Causes serious eye damage

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. **P280** Wear protective gloves/protective clothing/eye protection/face protection.

Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **P310** Immediately call a POISON CENTER or doctor/physician.

Storage

P403+P235 Store in a well-ventilated place. Keep cool.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Labelling according to Directive 67/548/EEC and/or 1999/45/EC

F, Xi

R11 Highly flammable.

R41 Risk of serious damage to eyes.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S16 Keep away from sources of ignition - No smoking.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39 Wear eye/face protection.

S60 This material and its container must be disposed of as hazardous waste.

2.3 Other Hazards

No additional information is available.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS EC No Registration No	Component Synonyms	67/548 EEC (DSD)	1272/2008 (CLP)	Percent
64-17-5 200-578-6 --	Ethyl alcohol	F; R:11	Flam. Liq. 2 H225	62-82
128-37-0 204-881-4 --	2,6-Di-tert-butyl-p-cresol	N; R50/53	Acute Aquatic Cat. 1 H400 Chronic Aquatic Cat. 1 H410	5-12
71-23-8 200-746-9 --	n-Propyl alcohol	F Xi; R:11-41-67	Flam. Liq. 2 H225 Eye Dam. 1 H318 STOT SE 3 H336	7.5-9

Safety Data Sheet

Material Name: COPIC INK

SDS ID: CA-242
In compliance with Regulation
(EC) 1907/2006 (REACH) as
amended

67-63-0 200-661-7 --	Isopropyl alcohol	F Xi; R:11-36-67	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336	3.5-4.5
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Aquatic Acute 1 and Aquatic Chronic 1 : Self classification required

Section 4 - FIRST AID MEASURES

4.1 Description of First Aid Measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention, if needed.

Skin

Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops or persists.

Eyes

Immediately flush eyes with plenty of water for at least 60 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Ingestion

If swallowed, do not induce vomiting. Rinse mouth.

4.2 Most Important Symptoms and Effects, both Acute and Delayed

Acute

eye damage

Delayed

No information on significant adverse effects.

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

Treat symptomatically and supportively.

Section 5 - FIRE FIGHTING MEASURES

5.1 Extinguishing Media

regular dry chemical, carbon dioxide, water spray, alcohol resistant foam

Unsuitable Extinguishing Media

Do not use high-pressure water streams.

5.2 Special Hazards Arising from the Substance or Mixture

Highly flammable liquid and vapor. The vapor is heavier than air. Vapors or gases may ignite at distant ignition sources and flash back.

Thermal Decomposition Products

Combustion: oxides of carbon, phenols

Safety Data Sheet

Material Name: COPIC INK

SDS ID: CA-242
In compliance with Regulation
(EC) 1907/2006 (REACH) as
amended

5.3 Advice for Firefighters

Fire Fighting Measures

Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Do not attempt to extinguish fire unless flow of material can be stopped first. Flood with fine water spray. Do not scatter spilled material with high-pressure water streams. Apply water from a protected location or from a safe distance. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

Protective Equipment and Precautions for Firefighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

Section 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

6.2 Environmental Precautions

Prevent entry into sewers, drains, ditches, underground or confined spaces and waterways. Collect spillage.

6.3 Methods and Material for Containment and Cleaning up

Avoid heat, flames, sparks and other sources of ignition. Remove sources of ignition. Stop leak if possible without personal risk. Reduce vapors with water spray. **Small spills:** Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. **Large spills:** Dike for later disposal. Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind and keep out of low areas.

6.4 Reference to Other Sections

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations. See Section 13 for Disposal Considerations.

Section 7 - HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Keep away from heat, sparks, open flame, and hot surfaces - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools and equipment. Take precautionary measures against static discharge. Wear protective gloves/clothing and eye/face protection. Avoid release to the environment.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Store in accordance with all current regulations and standards. Store in a well-ventilated place. Keep cool.

7.3 Specific End Use(s)

marker pen

Safety Data Sheet

Material Name: COPIC INK

SDS ID: CA-242
In compliance with Regulation
(EC) 1907/2006 (REACH) as
amended

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Component Exposure Limits

Ethyl alcohol (64-17-5)

Austria:	1000 ppm TWA; 1900 mg/m3 TWA 2000 ppm STEL; 3800 mg/m3 STEL
Belgium:	1000 ppm TWA; 1907 mg/m3 TWA
Bulgaria:	1000.0 mg/m3 TWA
Czech Republic:	1000 mg/m3 TWA 3000 mg/m3 Ceiling
Denmark:	1000 ppm TWA; 1900 mg/m3 TWA
Estonia:	500 ppm TWA; 1000 mg/m3 TWA 1000 ppm STEL; 1900 mg/m3 STEL
Finland:	1000 ppm TWA; 1900 mg/m3 TWA 1300 ppm STEL; 2500 mg/m3 STEL
France:	1000 ppm TWA; 1900 mg/m3 TWA 5000 ppm STEL [VLCT]; 9500 mg/m3 STEL [VLCT]
Germany (TRGS):	500 ppm TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2); 960 mg/m3 TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2)
Germany (DFG):	500 ppm TWA MAK; 960 mg/m3 TWA MAK 1000 ppm Peak; 1920 mg/m3 Peak
Greece:	1000 ppm TWA; 1900 mg/m3 TWA
Hungary:	1900 mg/m3 TWA [AK] 7600 mg/m3 STEL [CK]
Ireland:	1000 ppm STEL
Latvia:	1000 mg/m3 TWA
Lithuania:	500 ppm TWA; 1000 mg/m3 TWA 1000 ppm STEL; 1900 mg/m3 STEL
Netherlands:	260 mg/m3 TWA 1900 mg/m3 STEL skin notation
Poland:	1900 mg/m3 TWA
Portugal:	1000 ppm TWA [VLE-MP]
Romania:	1000 ppm TWA; 1900 mg/m3 TWA 5000 ppm STEL; 9500 mg/m3 STEL
Slovak Republic:	500 ppm TWA; 960 mg/m3 TWA 1920 mg/m3 Ceiling
Slovenia:	1000 ppm TWA; 1900 mg/m3 TWA 4000 ppm STEL; 7600 mg/m3 STEL
Spain:	1000 ppm TWA [VLA-ED] (it is prohibited the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound); 1910 mg/m3 TWA [VLA-ED] (it is prohibited the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound) 1000 ppm STEL [VLA-EC]; 1910 mg/m3 STEL [VLA-EC]
Sweden:	500 ppm LLV; 1000 mg/m3 LLV 1000 ppm STV; 1900 mg/m3 STV

Safety Data Sheet

Material Name: COPIC INK

SDS ID: CA-242
In compliance with Regulation
(EC) 1907/2006 (REACH) as
amended

United Kingdom: 1000 ppm TWA; 1920 mg/m³ TWA
3000 ppm STEL (calculated); 5760 mg/m³ STEL (calculated)

2,6-Di-tert-butyl-p-cresol (128-37-0)

Austria: 10 mg/m³ TWA
Belgium: 2 mg/m³ TWA (aerosol and vapor)
Bulgaria: 10.0 mg/m³ TWA
50.0 mg/m³ STEL
Denmark: 10 mg/m³ TWA
Finland: 10 mg/m³ TWA
20 mg/m³ STEL
France: 10 mg/m³ TWA
Germany (TRGS): 10 mg/m³ TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, inhalable fraction, exposure factor 4)
Germany (DFG): 10 mg/m³ TWA MAK (inhalable fraction)
40 mg/m³ Peak (inhalable fraction)
Greece: 10 mg/m³ TWA
Ireland: 10 mg/m³ TWA
Portugal: 2 mg/m³ TWA [VLE-MP] (inhalable fraction, aerosol and vapor)
Slovenia: 10 mg/m³ TWA (inhalable fraction)
United Kingdom: 10 mg/m³ TWA
30 mg/m³ STEL (calculated)

n-Propyl alcohol (71-23-8)

Austria: 200 ppm TWA; 500 mg/m³ TWA
Belgium: 100 ppm TWA; 250 mg/m³ TWA
Bulgaria: 300.0 mg/m³ TWA
500.0 mg/m³ STEL
Czech Republic: 500 mg/m³ TWA
1000 mg/m³ Ceiling
Potential for cutaneous absorption
Denmark: 200 ppm TWA; 500 mg/m³ TWA
Potential for cutaneous absorption
Estonia: 150 ppm TWA (all isomers); 350 mg/m³ TWA (all isomers)
250 ppm STEL (all isomers); 600 mg/m³ STEL (all isomers)
Finland: 200 ppm TWA; 500 mg/m³ TWA
250 ppm STEL; 620 mg/m³ STEL
France: 200 ppm TWA; 500 mg/m³ TWA
Greece: 200 ppm TWA; 500 mg/m³ TWA
250 ppm STEL; 625 mg/m³ STEL
Ireland: 100 ppm TWA
Potential for cutaneous absorption
Latvia: 10 mg/m³ TWA
Poland: 200 mg/m³ TWA
600 mg/m³ STEL [NDSCh]
Portugal: 200 ppm TWA [VLE-MP]
400 ppm STEL [VLE-CD]
Romania: 81 ppm TWA; 200 mg/m³ TWA
203 ppm STEL; 500 mg/m³ STEL
Spain: 200 ppm TWA [VLA-ED] (it is prohibited the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound); 500 mg/m³ TWA [VLA-

Safety Data Sheet

Material Name: COPIC INK

SDS ID: CA-242
In compliance with Regulation
(EC) 1907/2006 (REACH) as
amended

ED] (it is prohibited the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound)

400 ppm STEL [VLA-EC]; 1000 mg/m3 STEL [VLA-EC]

skin - potential for cutaneous exposure

Sweden: 150 ppm LLV; 350 mg/m3 LLV

250 ppm STV; 600 mg/m3 STV

United Kingdom: 200 ppm TWA; 500 mg/m3 TWA

250 ppm STEL; 625 mg/m3 STEL

Potential for cutaneous absorption

Isopropyl alcohol (67-63-0)

Austria: 200 ppm TWA (short time value for large casting); 500 mg/m3 TWA (short time value for large casting)

800 ppm STEL (4 X 15 min); 2000 mg/m3 STEL (4 X 15 min); 800 ppm STEL (STEL for large casting valid till 12/31/2013, 4 X 30 min); 2000 mg/m3 STEL (STEL for large casting valid till 12/31/2013, 4 X 30 min)

Belgium: 200 ppm TWA; 500 mg/m3 TWA

400 ppm STEL; 1000 mg/m3 STEL

Bulgaria: 980.0 mg/m3 TWA

1225.0 mg/m3 STEL

Czech Republic: 500 mg/m3 TWA

1000 mg/m3 Ceiling

Potential for cutaneous absorption

Denmark: 200 ppm TWA; 490 mg/m3 TWA

Estonia: 150 ppm TWA; 350 mg/m3 TWA

250 ppm STEL; 600 mg/m3 STEL

Finland: 200 ppm TWA; 500 mg/m3 TWA

250 ppm STEL; 620 mg/m3 STEL

France: 400 ppm STEL [VLCT]; 980 mg/m3 STEL [VLCT]

Germany (TRGS): 200 ppm TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2); 500 mg/m3 TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2)

Germany (DFG): 200 ppm TWA MAK; 500 mg/m3 TWA MAK

400 ppm Peak; 1000 mg/m3 Peak

Greece: 400 ppm TWA; 980 mg/m3 TWA

500 ppm STEL; 1225 mg/m3 STEL

Hungary: 500 mg/m3 TWA [AK]

2000 mg/m3 STEL [CK]

potential for cutaneous absorption

Ireland: 200 ppm TWA

400 ppm STEL

Potential for cutaneous absorption

Latvia: 350 mg/m3 TWA

600 mg/m3 STEL

Lithuania: 150 ppm TWA; 350 mg/m3 TWA

250 ppm STEL; 600 mg/m3 STEL

Poland: 900 mg/m3 TWA

1200 mg/m3 STEL [NDSCh]

Portugal: 200 ppm TWA [VLE-MP]

Safety Data Sheet

Material Name: COPIC INK

SDS ID: CA-242
In compliance with Regulation
(EC) 1907/2006 (REACH) as
amended

	400 ppm STEL [VLE-CD]
Romania:	81 ppm TWA; 200 mg/m ³ TWA 203 ppm STEL; 500 mg/m ³ STEL
Slovak Republic:	200 ppm TWA; 500 mg/m ³ TWA 1000 mg/m ³ Ceiling
Slovenia:	200 ppm TWA; 500 mg/m ³ TWA 800 ppm STEL; 2000 mg/m ³ STEL
Spain:	200 ppm TWA [VLA-ED] (it is prohibited the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound); 500 mg/m ³ TWA [VLA-ED] (it is prohibited the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound) 400 ppm STEL [VLA-EC]; 1000 mg/m ³ STEL [VLA-EC]
Sweden:	150 ppm LLV; 350 mg/m ³ LLV 250 ppm STV; 600 mg/m ³ STV
United Kingdom:	400 ppm TWA; 999 mg/m ³ TWA 500 ppm STEL; 1250 mg/m ³ STEL

Component Biological Limit Values

There are no biological limit values for any of this product's components

Derived No Effect Levels (DNELs)

No DNELs available.

Predicted No Effect Concentrations (PNECs)

No PNECs available.

8.2 Exposure Controls

Appropriate Engineering Controls

Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

Personal Protective Equipment

Eye / Face Protection

Wear splash resistant safety goggles.

Skin Protection

Always use good hygiene measures. Wear appropriate chemical resistant clothing.

Glove Recommendations

Wear appropriate chemical resistant gloves.

Respiratory Protection

Consult with a health and safety professional for specific respirators appropriate for your use.

Environmental Exposure Controls

Avoid discharge into drains, surface water or groundwater.

Safety Data Sheet

Material Name: COPIC INK

SDS ID: CA-242
In compliance with Regulation
(EC) 1907/2006 (REACH) as
amended

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State:	Liquid	Appearance:	translucent liquid
Color:	translucent	Physical Form:	liquid
Odor:	alcohol odor	Odor Threshold:	Not available
pH:	Not available	Melting Point:	Not available
Boiling Point:	78.3 °C Ethyl alcohol	Flash Point:	13 °C
Decomposition Temperature:	Not available	Evaporation Rate:	Not available
LEL:	Not available	UEL:	Not available
Vapor Pressure:	Not available	Vapor Density (air = 1):	Not available
Density:	Not available	Specific Gravity (water = 1):	Not available
Water Solubility:	Not available	Log KOW:	Not available
Coeff. Water/Oil Dist:	Not available	Auto Ignition Temperature:	Not available
Viscosity:	Not available	Oxidizing Properties:	Not available
Explosive Properties:	Not available		

9.2 Other Information

No additional information is available.

Section 10 - STABILITY AND REACTIVITY

10.1 Reactivity

No reactivity hazard is expected.

10.2 Chemical Stability

Stable at standard temperatures and pressure.

10.3 Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

10.4 Conditions to Avoid

Avoid heat, flames, sparks and other sources of ignition. Containers may rupture or explode if exposed to heat.

10.5 Incompatible Materials

acids, bases, combustible materials, halocarbons, halogens, metal oxides, metal salts, metals, oxidizing materials, peroxides, reducing agents

10.6 Hazardous Decomposition Products

Thermal Decomposition Products

Combustion: oxides of carbon, phenols

Section 11 - TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Acute and Chronic Toxicity

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Ethyl alcohol (64-17-5)

Inhalation LC50 Rat 124.7 mg/L 4 h

Safety Data Sheet

Material Name: COPIC INK

SDS ID: CA-242
In compliance with Regulation
(EC) 1907/2006 (REACH) as
amended

2,6-Di-tert-butyl-p-cresol (128-37-0)

Oral LD50 Rat 890 mg/kg

n-Propyl alcohol (71-23-8)

Oral LD50 Rat 1870 mg/kg; Inhalation LC50 Rat >13548 ppm 4 h

Isopropyl alcohol (67-63-0)

Oral LD50 Rat 4396 mg/kg; Dermal LD50 Rabbit 12800 mg/kg; Inhalation LC50 Rat 16000 ppm 8 h

Irritation / Corrosivity

eye damage

Respiratory Sensitisation

No information available for the product.

Skin Sensitisation

No information available for the product.

Germ Cell Mutagenicity

No information available for the product.

Carcinogenicity

No information available for the product.

Component Carcinogenicity

Ethyl alcohol (64-17-5)

IARC: Monograph 100E [2012] (in alcoholic beverages); Monograph 96 [2010] (in alcoholic beverages)
(Group 1 (carcinogenic to humans))

DFG: Category 5 (low carcinogenic potency)

2,6-Di-tert-butyl-p-cresol (128-37-0)

IARC: Supplement 7 [1987]; Monograph 40 [1986] (Group 3 (not classifiable))

DFG: Category 4 (no significant contribution to human cancer)

Isopropyl alcohol (67-63-0)

IARC: Monograph 71 [1999]; Supplement 7 [1987]; Monograph 15 [1977] (Group 3 (not classifiable))

Reproductive Toxicity

No information available for the product.

Specific Target Organ Toxicity - Single Exposure

No target organs identified.

Specific Target Organ Toxicity - Repeated Exposure

No target organs identified.

Aspiration Hazard

No information available for the product.

Section 12 - ECOLOGICAL INFORMATION

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Safety Data Sheet

Material Name: COPIC INK

SDS ID: CA-242
In compliance with Regulation
(EC) 1907/2006 (REACH) as
amended

Component Analysis - Aquatic Toxicity

Ethyl alcohol (64-17-5)

- Fish:** 96 Hr LC50 Oncorhynchus mykiss: 12.0 - 16.0 mL/L [static]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 13400 - 15100 mg/L [flow-through]
Invertebrate: 48 Hr LC50 Daphnia magna: 9268 - 14221 mg/L; 48 Hr EC50 Daphnia magna: 2 mg/L [Static]

2,6-Di-tert-butyl-p-cresol (128-37-0)

- Algae:** 72 Hr EC50 Pseudokirchneriella subcapitata: 6 mg/L; 72 Hr EC50 Desmodesmus subspicatus: >0.42 mg/L

n-Propyl alcohol (71-23-8)

- Fish:** 96 Hr LC50 Pimephales promelas: 4480 mg/L [flow-through]
Invertebrate: 48 Hr EC50 Daphnia magna: 3642 mg/L; 48 Hr EC50 Daphnia magna: 3339 - 3977 mg/L [Static]

Isopropyl alcohol (67-63-0)

- Fish:** 96 Hr LC50 Pimephales promelas: 9640 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 11130 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: >1400000 µg/L
Algae: 96 Hr EC50 Desmodesmus subspicatus: >1000 mg/L; 72 Hr EC50 Desmodesmus subspicatus: >1000 mg/L
Invertebrate: 48 Hr EC50 Daphnia magna: 13299 mg/L

12.2 Persistence and Degradability

No information available for the product.

12.3 Bioaccumulative Potential

No information available for the product.

12.4 Mobility in Soil

No information available for the product.

12.5 Results of PBT and vPvB Assessment

No information available.

EU - Interim Strategy for Management of PBT and vPvB Substances (PBT Assessments)

2,6-Di-tert-butyl-p-cresol (128-37-0)

Not fulfilling PBT and vPvB criteria

12.6 Other Adverse Effects

No information available.

Section 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Empty containers may contain product residue. Dispose in accordance with all applicable regulations.






Section 14 - TRANSPORT INFORMATION

	ADR	RID	ICAO	ADN	IMDG
14.1 UN Number	1993	1993	1993	1993	1993
14.2 UN Proper Shipping Name	Flammable liquid, n.o.s. (Contains: Ethyl alcohol, n-Propyl	Flammable liquid, n.o.s. (Contains: Ethyl alcohol, n-Propyl	Flammable liquid, n.o.s. (Contains: Ethyl alcohol, n-Propyl	Flammable liquid, n.o.s. (Contains: Ethyl alcohol, n-Propyl	Flammable liquid, n.o.s. (Contains: Ethyl alcohol, n-Propyl

Safety Data Sheet

Material Name: COPIC INK

SDS ID: CA-242
In compliance with Regulation
(EC) 1907/2006 (REACH) as
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14.3	Transport Hazard Class(es)	alcohol) Hazard Class: 3 	alcohol) Hazard Class: 3 	alcohol) Hazard Class: 3 	alcohol) Hazard Class: 3 	alcohol) Hazard Class: 3 
14.4	Packing Group	Packing Group: II	Packing Group: II	Packing Group: II	Packing Group: II	Packing Group: II
14.5	Environmental Hazards	--	--	--	--	--
14.6	Special Precautions For User	--	--	--	--	--
14.7	Transport in Bulk According to Annex II or MARPOL 73/78 and the IBC Code	--	--	--	--	--

International Bulk Chemical Code

This material contains one or more of the following chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

n-Propyl alcohol (71-23-8)

IBC Code: Category Y

Section 15 - REGULATORY INFORMATION
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15.1 Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture

EU - REACH (1907/2006) - Annex XIV List of Substances Subject to Authorisation

No components of this material are listed.

EU - REACH (1907/2006) - Article 59(1) Candidate List of Substances for Eventual Inclusion in Annex XIV

No components of this material are listed.

EU - REACH (1907/2006) - Annex XVII Restrictions of Certain Dangerous Substances, Mixtures and Articles

No components of this material are listed.

Germany Regulations

Germany Water Classification

Ethyl alcohol (64-17-5)

ID Number 96, hazard class 1 - low hazard to waters (footnote 10)

2,6-Di-tert-butyl-p-cresol (128-37-0)

ID Number 724, hazard class 1 - low hazard to waters

n-Propyl alcohol (71-23-8)

ID Number 176, hazard class 1 - low hazard to waters

Isopropyl alcohol (67-63-0)

ID Number 135, hazard class 1 - low hazard to waters

Safety Data Sheet

Material Name: COPIC INK

SDS ID: CA-242
In compliance with Regulation
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amended

Denmark Regulations

Environmental Protection Agency List of Undesirable Substances

2,6-Di-tert-butyl-p-cresol (128-37-0)

Present

Substance Analysis - Inventory

Component	CAS	EEC
Ethyl alcohol	64-17-5	EIN
2,6-Di-tert-butyl-p-cresol	128-37-0	EIN
n-Propyl alcohol	71-23-8	EIN
Isopropyl alcohol	67-63-0	EIN

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for the substance/mixture.

Section 16 - OTHER INFORMATION

16.1 Indication of changes

New SDS: 10 October 2013

16.2 Key / Legend to abbreviations and acronyms used in the safety data sheet

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; CAS No. - Chemical Abstract Service Registry Number; CLP - Classification, Labelling and Packaging; EEC - European Economic Community; EIN (EINECS) - European Inventory of Existing Commercial Chemical Substances; ELN (ELINCS) - European List of Notified Chemical Substances; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC Code - International Bulk Chemical Code; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; Kow - Octanol/water partition coefficient; LC50 - Lethal Concentration, 50%; LD50 - Lethal Dose, 50%; LEL - Lower Explosive Limit; NIOSH - National Institute for Occupational Safety and Health; NTP - National Toxicology Program; REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - European Rail Transport; STEL - Short-term Exposure Limit; TWA - Time Weighted Average; UEL - Upper Explosive Limit

16.3 Key literature references and sources for data

Available upon request.

16.4 Methods used for classification of mixture according to Regulation (EC) No 1272/2008

Available upon request.

16.5 Full text of R- and H- phrases in Section 3

Component Analysis

- H225** Highly flammable liquid and vapour.
- H318** Causes serious eye damage.
- H319** Causes serious eye irritation.
- H336** May cause drowsiness or dizziness.
- H400** Very toxic to aquatic life.
- H410** Very toxic to aquatic life with long lasting effects.

- R11** Highly flammable.
- R36** Irritating to eyes.
- R41** Risk of serious damage to eyes.

Safety Data Sheet

Material Name: COPIC INK

SDS ID: CA-242
In compliance with Regulation
(EC) 1907/2006 (REACH) as
amended

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67 Vapours may cause drowsiness and dizziness.

16.6 Training Advice

None

16.7 Other Information

The information set forth in this Safety Data Sheet does not purport to be all-inclusive and should be used only as a guide. While the information and recommendations set forth herein are believed to be accurate, the company makes no warranty regarding such information and recommendations and disclaims all liability from reliance thereon.

End of Sheet CA-242