

SAFETY DATA SHEET

1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : QC INK BLACK
 COMPANY : TSUKINEKO CO., LTD.
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2.HAZARDS IDENTIFICATION

GHS Classification

Physical hazards

Flammable liquid : Category 3

Health hazards

Acute toxicity (Oral) : Category 5

Acute toxicity (Dermal) : Category 5

Acute toxicity (Inhalation) : Category 4

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 1

Reproductive toxicity : Category 1B

Specific target organ toxicity-single exposure : Category 1(liver, kidney, central nervous system, testis)
 Category 3(respiratory tract irritation, narcotic effects)

Specific target organ toxicity-repeated exposure : Category 1(hematopoietic system, central nervous system, auditory system, testis)

Environmental hazards

Acute toxicity to the aquatic environment : Category 2

Chronic toxicity to the aquatic environment : Category 2

Label

Signal word : Danger

Hazard pictogram



Hazard statement : Flammable liquid and vapor.
 : May be harmful if swallowed.
 : May be harmful in contact with skin.

- : Harmful if inhaled.
- : Causes skin irritation.
- : Causes serious eye damage.
- : May damage fertility or the unborn child.
- : Causes damages to organs: liver, kidney, central nervous system, testis.
- : May cause respiratory irritation.
- : May cause drowsiness or dizziness.
- : Causes damages to organs through prolonged or exposure: hematopoietic system, central nervous system, auditory system, testis.
- : Toxic to aquatic life.
- : Toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention

- : Do not handle until all safety precautions have been read and understood.
- : Keep away from heat/sparks/open flames/hot surfaces.–No smoking.
- : Keep container tightly closed.
- : Use explosion–proof electrical/ventilation/lighting equipment. Take precautionary measures against ignition by the static discharge and the spark.
- : Do not breathe.
- : Use only outdoors or in a well–ventilated area.
- : Do not eat, drink or smoke when using this product.
- : Wash hands thoroughly after handling.
- : Wear protective gloves/eye protection/face protection.

Response

- : If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.
- : If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- : If eye irritation persists: Get medical advice/attention.
- : If on skin (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- : If skin irritation occurs: Get medical advice/attention.
- : If exposed or concerned: Get medical advice/attention.

Storage

- : Store in a well–ventilated place. Keep cool.
- : Store locked up.

Disposal : Dispose of contest/container through a waste management company authorized by the local government.

Other hazards which do not result in classification : May form explosive peroxides.

3.COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No.	Wt%	Other Limit
Ethylene glycol monoethyl ether	110-80-5	50-60	
1-Butanol	71-36-3	10-15	
Synthetic resin	Registered	10-15	
Dye	Registered	10-15	
Alcohols	Registered	7.0-15	
2-Ethylhexan-1-yl diphenyl phosphate	1241-94-7	1.0-4.0	
Diphenyl amine	122-39-4	<0.1	

4.FIRST-AID MEASURES

Skin contact:

Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Cover the irritated skin with an emollient. Cold water may be used. Get medical attention immediately.

Eye contact:

Check for and remove any contact lenses. Immediately hold eyelids open and rinse with a stream of water for at least 15 minutes. Cold water may be used. Get medical attention.

Ingestion:

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.

5.FIRE FIGHTING MEASURES

Firefighting media and instructions: Flammable liquid, soluble or dispersed in water.

Small fire: Use dry chemical, foam, carbon dioxide.

Large fire: Use dry chemical, foam, carbon dioxide. Cool containing vessels with water jet in order to prevent

pressure build-up, auto-ignition or explosion.

Special firefighting procedures: Not available

Unusual fire and explosion hazards: Not available

6.ACCIDENTAL RELEASE MEASURES

Small spill: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large spill: Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with dry earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Be careful that the product is not present at a concentration level above TLV.

7.HANDLING AND STORAGE

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| Handling | : Handle in well-ventilated areas. |
| | : Wear suitable protective clothing. |
| | : Avoid contact with eyes and skin. |
| | : Do not inhale fume and mist. |
| | : In case of insufficient ventilation, wear suitable respiratory equipment. |
| | : If ingested, seek medical advice immediately and show the container or the label. |
| Storage | : Keep away from heat sources. |
| | : Keep container tightly closed. |
| | : Store in a dark and well-ventilated place. |

8.EXPOSURE CONTROL/PERSONAL PROTECTION

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|---------------------|--------------------------------------------------------------------------------------|
| ACGIH | : TLV 5ppm(TWA) skin (Ethylene glycol monoethyl ether) |
| | : TLV 20ppm(TWA) (1-butanol) |
| OSHA | : PEL 200ppm(TWA) skin(Ethylene glycol monoethyl ether) |
| | : PEL 100ppm(TWA) (1-butanol) |
| Ventilation | : Use local exhaust ventilation. |
| Protective measures | : Wear impervious protective clothing, including boots, gloves, lab coat, apron or |
| Skin protection | coveralls, as appropriate, to prevent skin contact. |
| | : Use chemical safety goggles and/or a full face shield where splashing is possible. |
| Eye protection | Maintain eye wash fountain and quick-drench facilities in work area. |

9.PHYSICAL AND CHEMICAL PROPERTIES

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|---------------------|----------------------------------------|
| Appearance and odor | : Colored liquid, specific odor |
| Boiling point | : 118°C |
| Melting point | : Not available |
| Vapor density | : Not available |

Vapor pressure	: Not available
Solubility in water	: Insoluble
pH	: Not applicable
Specific gravity	: Not available
Flash point	: 38°C
Auto-ignition point	: Not available

10.STABILITY AND REACTIVITY

Stability	: Stable under ordinary conditions of use and storage.
Hazardous reaction	: Carbon dioxide and carbon monoxide may form when heated to decomposition.
Polymerization	: Will not occur
Conditions to avoid	: Avoid heat, flames, sparks and other sources of ignition.

11.TOXICOLOGICAL INFORMATION

Acute toxicity	
Oral rat LD50	: 2230mg/kg
Dermal rat LD50	: 2293mg/kg
Inhalation rat LC50	: 14.5mg/L/4H
Skin corrosion/irritation	: skn-rbt 20mg/24H MOD (1-butanol)
Serious eye damage/irritation	: eye rbt 2mg/24H SEV (1-butanol)
Reproductive toxicity	: May damage fertility or the unborn child.
Specific target organ toxicity-single exposure	: Causes damages to organs: liver, kidney, central nervous system, testis
Specific target organ toxicity-repeated exposure	: May causes damages to organs through prolonged or exposure: hematopoietic system, central nervous system, auditory system, testis

12.ECOLOGICAL INFORMATION

Toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

13.DISPOSAL CONSIDERATIONS

Dispose of waste in accordance with national, state and local regulations.

14.TRANSPORT INFORMATION

Follow all regulations in your country or region.	
Precautions	: Pack, label and transport according to regulation.
	: Ensure containers without breakage or leakage.

: Ensure containers tightly fixed.

Proper shipping name : Printing ink

Hazard class : 3 Flammable liquid

UN No. : 1210

Packing group : III

15.REGULATORY INFORMATION

Follow all regulations in your country or region.

16.OTHER INFORMATION

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