

Safety Data Sheet

Health: 1

Flammability: 2

Reactivity: 0

1. Identification of the substance / preparation and the Company

1.1 Identification of the substance or preparation

Product name BT Series Printing Ink

1.2 Use of the substance /
preparation Pad Printing ink

1.3 Company identification

Distributor	Inkcups Now (ICN)
Full address	20 Locust Street, Suite 104
District and Country	Danvers, MA. 01923 USA
	Phone: 978-646-8980
	Fax: 978-646-8981

1.4 Emergency telephone Centrec 1-800-424-9300

2. Composition / Information on ingredients

Contains:

Name	Concentration C	Classification	
ACIDO GLICOLICO-N-BUTILE ESTERE Cas No 7397-62-8	5,6 <= C < 6,7	Xi	R41
2-METHOXY-1-METHYLETHYL ACETATE Cas No 108-65-6 CE No 203-603-9 Index No 607-195-00-7	10,1 <= C < 11,7		R10
4-HYDROXY-4-METHYLPENTAN-2- ONE Cas No 123-42-2 CE No 204-626-7 Index No 603-016-00-1	20,7 <= C < 22,3	Xi	R36
CYCLOHEXANONE Cas No 108-94-1 CE No 203-631-1 Index No 606-010-00-7	2,4 <= C < 3	Xn	R10 R20
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM Cas No 64742-95-6 CE No 265-199-0 Index No 649-356-00-4	15,2 <= C < 16,8	Xn	R65
Etosolfato di ammonio quaternario Cas No 68308-64-5	0,79 <= C < 0,9	C Xn	R34 R22

2-(2H-benzotriazol-2-yl)-p-cresolo
Cas No 2440-22-4
CE No 219-470-5

1 <=C< 1.5

N R50
R53
Xi R43

The complete text of -R- phrases is specified in section 16.

Benzene concentration in SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC is under 0,1% in weight. The substance is not classified as carcinogenic.

3. Hazards Identification

3.1 Substance/Preparation Classification

This preparate is dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendments. Therefore, this preparate requires a safety data sheet according to the 91/155/EC regulation and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

Danger Symbols: Xn
Phrases R: 10-36-65

3.2 Danger Identification

Because of its chemical-physical features, this product is graded as flammable (flash-point 21 °C or higher and 55 °C or lower).

IRRITATING TO EYES.

HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.

This product contains sensitizing substance/s and may cause allergic reactions.

4. First aid measures

EYES: Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

SKIN: Wash immediately with plenty of water. Remove contaminated clothing. If irritation persists, seek medical attention. Wash contaminated clothing before using them again.

INHALATION: Remove to open air. If breathing is irregular, seek medical advice.

INGESTION: Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

5. Fire-fighting measures

Closed containers exposed to the heat of a fire may lead to pressure rise and explode. For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures, refer to the other sections of this sheet.

Extinguishing measures:CO2, foam, chemical powder for flammable liquids. Water may not be effective to extinguish the fire, nevertheless it should be used to cool the containers exposed to flames and prevent fires and explosions. For leakage and spillage that have not caught fire, nebulized water may be used to disperse the flammable vapours and protect the people involved in stopping the leakage.

Equipment: wear equipment complete with helmet and face shield and protection of the neck, selfbreathing apparatus at pressure or demand, insulative jacket and trousers, with bands around the arms, legs and waist.

6. Accidental release measures

Extinguish the sources of ignition or heat; cover the spillage with inert absorbent material. Collect as far as possible the resulting mass and discard the remainder by spraying water.

For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures refer to the other sections of this sheet.

7. Handling and storage

Store in a well ventilated place, keeping the containers closed when not used. Do not smoke while handling. Keep far away from sources of heat, naked flames and sparks and other sources of ignition.

8. Exposure control / personal protection.

2-METHOXY-1-METHYLETHYL ACETATE			
- TLV TWA	270	mg/m3	MAK
4-HYDROXY-4-METHYLPENTAN-2-ONE			
- TLV TWA	238	mg/m3	
CYCLOHEXANONE			
- TLV TWA	100	mg/m3	ACGIH

In order to minimize exposure as far as possible, it is strongly recommended to use adequate individual protective measures, such as: masks suitable for the product, goggles, gloves and overall. Do not eat, drink or smoke while handling it. Accurately wash the hands with soap and water before meals and at the end of the work shift.

9. Physical and chemical properties

Solubility	N.A.
Viscosity	N.A.
Vapour density	> 1 (aria =1)
Partition coefficient: n-octanol/water	N.A.
pH	N.A.
Boiling point	> 120°C
Flash point	> 38°C
Explosive properties	N.A.
Vapour pressure	N.A.
Specific gravity	N.A.

10. Stability and reactivity

The product is stable in normal conditions of use and storage. When heated or in the event of a fire, carbonoxides may be released and vapours which are dangerous to health. The vapours may also form explosive mixtures with the air.

1-methoxy-2-propylacetate: it is stable but in presence of air, it can gradually form peroxides which explode due to the rise in temperature. It can react violently with oxidizing agents and strong acids and alkaline metals. Avoid copper, aluminium and their alloys when storing. Store under inert atmosphere, repaired from humidity because it easily hydrolyses.

Diacetone alcohol decomposes to acetone and mesityl oxide when heated; in the same manner, it reacts with acids and bases and strong oxidizing agents.

Cyclohexanone reacts violently with strong oxidizing agents and attacks different types of plastic materials (ref. H.C.S.)

11. Toxicological information

Acute effects: stinging eyes. Symptoms may include: rubescence, edema, pain and lachrymation. Vapour inhalation may moderately irritate the upper respiratory tract. Contact with skin may cause slight irritation. Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.

The introduction of even small quantities of this liquid into the respiratory system in case of ingestion or vomit may cause bronchopneumonia and pulmonary edema.

Diacetone alcohol: its acute toxicity is manifested by irritation of the eyes, nose and throat in man at 100 ppm (476 mg/kg) and by pulmonary disorders at 400 ppm. No chronic effects have been reported in man.

12. Ecological information

Use this product according to good working practices. Avoid litter. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

13. Disposal consideration

Consider the possibility of burning the product in a suitable incinerator. Acid or basic products must always be neutralized before undergoing any treatment, including biological treatment whenever feasible. If the waste is solid, it can be disposed of in a landfill.

Per lo smaltimento del prodotto o dei contenitori non ripuliti/bonificati rivolgersi a società espressamente autorizzate alla gestione dei rifiuti (recupero o smaltimento di rifiuti pericolosi).

I contenitori ripuliti/bonificati devono essere smaltiti/recuperati come rifiuti speciali.

Non scaricare mai il prodotto in acque superficiali o sotterranee.

14. Transport information

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations.

These goods must be packed in their original packagings or in packagings made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

Road and rail transport:

ADR:	3
UN:	1210
Packing Group:	III
Label:	3
Nr. Kemler:	30
Proper Shipping Name:	Pad Printing Ink
Special Provision:	640E

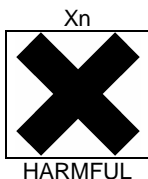
Carriage by sea (shipping):

IMO class:	3
UN:	1210
Packing Group:	III
Label:	3
EMS:	F-E, S-D
Marine Pollutant	
Proper Shipping Name:	Printing ink

Transport by air:

IATA:	3
UN:	1210
Packing Group:	III
Label:	3
Cargo:	
Packaging instructions:	310

Maximum quantity:	220 L
Pass.:	
Packaging instructions:	309
Maximum quantity:	60 L

15. Regulatory information

R10	FLAMMABLE.
R36	IRRITATING TO EYES.
R65	HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.
S26	IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
S24/25	AVOID CONTACT WITH SKIN AND EYES.
S37	WEAR SUITABLE GLOVES.
S61	AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEETS.
S45	IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

Contains:
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM

Contains:
METHYL METHACRYLATE
2-(2H-benzotriazol-2-il)-p-cresolo
n-butylmetacrilato
May cause allergic reactions.

Danger labelling under regulations 67/548/EEC and 1999/45/EC and following amendments and adjustments.

Workers exposed to this chemical agent must undergo health checks according to regulation 98/24/EC.

I lavoratori esposti a questo agente chimico pericoloso per la salute devono essere sottoposti alla sorveglianza sanitaria effettuata secondo le disposizioni dell'articolo 72-decies del decreto legislativo n. 25 del 2 febbraio 2002 qualora la valutazione del rischio chimico effettuata conformemente a quanto riportato nel D.Lgs sopra menzionato evidenzi un rischio superiore al moderato.

16. Other information

Text of -R- phrases quoted in section 2 of the sheet.

R10	FLAMMABLE.
R20	HARMFUL BY INHALATION.

R22	HARMFUL IF SWALLOWED.
R34	CAUSES BURNS.
R36	IRRITATING TO EYES.
R41	RISK OF SERIOUS DAMAGE TO EYES.
R50	VERY TOXIC TO AQUATIC ORGANISMS.
R65	HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.

GENERAL BIBLIOGRAPHY

1. Regulation 1999/45/CE and following amendments;
2. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXVIII);
3. Regulation 91/155/CEE and following amendments;
4. The Merck Index. - 10th Edition;
5. Handling Chemical Safety;
6. Niosh - Registry of Toxic Effects of Chemical Substances;
7. INRS - Fiche Toxicologique (toxicological sheet);
8. Patty - Industrial Hygiene and Toxicology;
9. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition;

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Prodotto ad uso professionale