



Chad Labs Corporation USA

SAFETY DATA SHEET

Chad Labs Safety data sheet according to ISO 11014:2009 (E)

Revision Date: July 05, 2010

Product: **Ball Pen Black Ink # 3-144B**

Date of Print: July 06, 2010

1. Chemical Product and Company Identification

Ball Pen Black Ink # 3-144B

Use: Writing Instrument Ink for the pen manufacturers

Company:

Chad Labs Corporation

128 Research Drive

Milford, CT 06460 USA

Telephone: + 1 203 877-3891

Telefax: + 1 203 876-0578

E-mail address: chad@chadlabs.com

2. Hazards Identification

Emergency overview

CAUTION: Irritating to eyes

HARMFUL IF INHALED.

Harmful if swallowed.

Use with local exhaust ventilation

Avoid inhalation of mists/vapors

Wear a NIOSH-certified (or equivalent) acid gas/organic vapour respirator.

Wear full face shield if splashing hazard exists.

Wear Protective clothing

Potential health effects

Primary routes of exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

Routes of entry for gases include inhalation and eye contact.

Chad Labs Safety data sheet according to ISO 11014:2009 (E)

Revision Date: July 05, 2010

Product: **Ball Pen Black Ink # 3-144B**

Date of Print: July 06, 2010

3. Composition / information on ingredients

Chemical Name	CAS Number	Content (W/W)
2-phenoxyethanol	122-99-6	>= 45 - <= 55%
2-(2-phenoxyethoxy) ethanol	104-68-7	>=2 - <= 5 %
Special Polyol Resin	NA	>=20 - <= 25 %
Solvent Black 46	65294-17-9	>=15 -<= 20 %
Solvent Black 7	8005-02-5	>=4 -<= 9 %
Trade secret ingredients	NA	>=5 - <= 10%

4. First-aid measures

General advise:

Remove contaminated clothing

If inhaled:

If difficulties occur after vapour has been inhaled, remove to fresh air and seek, medical attention.

If on Skin:

Wash thoroughly with soap and water.

If in Eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Note to Physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Flash point -closed cup approx. 120° C

Suitable extinguishing media:

Water, dry extinguishing media, foam

Hazards during fire-fighting:

Harmful vapours

Evolution of fumes / fog. The substances/groups of substances mentioned can be released in case of fire.

Chad Labs Safety data sheet according to ISO 11014:2009 (E)

Revision Date: July 05, 2010

Product: **Ball Pen Black Ink # 3-144B**

Date of Print: July 06, 2010

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

Further Information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal Precautions:

Avoid dust formation. Avoid inhalation. Use personal protective clothing.

Environmental precautions:

Contain contaminated water/ fire-fighting water. Do not discharge into drains/ surface water groundwater.

Cleanup:

For small amounts: Pick up with suitable appliance and dispose of per government regulations

For large amounts: Pick up with suitable appliance and dispose of per government regulations.

7. Handling and storage:

Handling

General advice:

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

No special precautions necessary.

Storage

General advice:

Keep container tightly and dry; store in a cool place.

8. Exposure controls and personal protection

Components with workplace control parameters

Solvent Black 46	OSHA	NA
	ACGIH	NA
Solvent Black 7	OSHA	NA
	ACGIH	NA

Chad Labs Safety data sheet according to ISO 11014:2009 (E)

Revision Date: July 05, 2010

Product: **Ball Pen Black Ink # 3-144B**

Date of Print: July 06, 2010

Personal protection equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Tightly fitting safety goggles (chemical goggles) and face shield.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Due to the colouring properties of the product closed work clothes should be used, to avoid stains during manipulation. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and chemical properties

Form:	pasty	Specific Gravity: (Water =1): 1.115 - 1.155
Odour:	faint specific odour	Vapour Pressure @ 20° C: 0.05 mm Hg
Evaporation Rate (But. Acetate = 1):	Approx. 0.005	Colour: Black
On set of boiling	425° F	Vapour Density: (Air = 1) 4
Solubility in water:	Slight	Viscosity @ 25° C: 9,500 - 11,500 CPS
Solubility (qualitative):	soluble, solvent (s): organic solvents	pH @ 25° C: 5.5 - 7.5

10. Stability and reactivity

Hazardous reactions:

No hazardous reactions when stored and handled according to instructions.

The product is chemically stable.

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological information

Oral:

Information on: (2-hydroxy-ethyl)- phenyl-ether

LD 50/rat: > 2,000 mg/ kg

Skin irritation:

Information on: the above mentioned solvent

SAFETY DATA SHEET

Page 5 of 6

Chad Labs Safety data sheet according to ISO 11014:2009 (E)

Revision Date: July 05, 2010

Product: **Ball Pen Black Ink # 3-144B**

Date of Print: July 06, 2010

Information on: (2-hydroxy-ethyl)- phenyl-ether

Rabbit: non-irritant (OECD Guideline 404)

Eye irritation:

Information on: Above mentioned solvents

Information on: (2-hydroxy-ethyl)- phenyl-ether

Rabbit: non-irritant (OECD Guideline 405)

12. Ecological information

Environmental toxicity

Other ecotoxicological advice:

Do not release untreated into natural waters.

13. Disposal considerations

Waste disposal of substance:

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

Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized used containers.

RCRA: None

14. Transport Information

Land transport

US DOT

code = 55

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations (Non-Hazardous)

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations (Non-Hazardous)

Chad Labs Safety data sheet according to ISO 11014:2009 (E)

Revision Date: July 05, 2010

Product: **Ball Pen Black Ink # 3-144B**

15. Regulatory Information

Federal Regulations

Registration Status:

TSCA, US

OSHA Hazard category:

ACGIH TLV established

RCRA: None

CA Prop. 65: Certified

This ink is WIMA certified.

16. Other Information

HMIS III rating

Health: 1

Flammability: 0

Physical hazard: 0

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

Local contact information

chad@chadlabs.com

Tel: +1 203 877-3891

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY CHAD LABS CORPORATION HEREUNDER ARE GIVEN GRATIS AND CHAD LABS ASSUMES NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.

END OF DATA SHEET.