

## SAFETY DATA SHEETS

**This SDS packet was issued with item:**

078411782

N/A

# Material Safety Data Sheet

Page 1 of total 3  
Date of Issue 27 June, 1997

BIC (NZ) Limited  
25 Normanby Road  
Mt Eden, Auckland.  
New Zealand  
Telephone : 09-630 5970  
Fax : 09-623 5838

## IDENTIFICATION

Product Name : Tag Pen Ink

Other Names : Tag Pen Ink

Manufacturers Product Code : Tag Pen Ink

U.N. Number : Not Allocated

Dangerous Goods Class : Class 3 . 2

Hazchem Code : 3 (Y)

Toxic Substance Schedule : N/A

Uses : Used in valve action and capillary action Tag Pens for marking  
polyurethane animal tags

## Physical Description / Properties

Appearance : Black oily liquid with odour like acetone and Peppermint

Boiling Point / Melting Point ( °C ): 157°C / -26°C

Vapour Pressure ( pascals or mm of Hg at 25° C ): 10mm

Specific Gravity (20°C) : 0.95

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Flash Point ( °C ) : 44°C

Flammability Limits ( % ) : 9.4% upper explosion limit 1.1% lower explosion limit

Solubility in Water ( g/l ) : Not available

Other properties : -----

Ingredients Chemical Entity	Cas No	Proportion
Solvent Black	C57206-83-4	9%
Pimelic Ketone	108-94-1	80%
Resins	-----	11%

## HEALTH HAZARD INFORMATION

### Health Effects

Acute

Swallowed : Toxic - with large doses

Eye : Irritant - with prolonged contact

Skin : Irritant - toxic

Inhaled : Moderate toxicity -narcotic

Chronic : Potential to cause acute and chronic health effects with over **exposure**

### First Aid

Swallowed : If poisoning occurs, do not induce vomiting. Give a glass of water to drink. Seek urgent medical attention

Eye : Flush gently with running water, holding eyelids open for 15 minutes  
Seek urgent medical attention

Skin : Remove contaminated clothing and gently flush affected areas with soap and water

Inhaled : Leave area of exposure. If symptoms develop seek urgent medical attention

**Advice to Doctor** : Treat Symptomatically-Contact Poisons and Hazardous Chemicals  
National Information Centre 0- 3- 474 7000 (New Zealand only)

## PRECAUTIONS FOR USE

Exposure Limits : No TLV / TWA established for Tag pen ink at ambient temperature

Personal Protection : Wear PVC / butyl gloves and coveralls

Flammability : Highly flammable liquid and vapour

## SAFE HANDLING INFORMATION

Storage and Transport : Non Hazardous- if stored and transported encapsulated in individual Tag pens  
Hazardous (In Bulk) Class 3 Flammable liquid. Not to be loaded with class 1, 2.1,2.3,4.2,5.1,6,7,& Foodstuffs.

Spills and Disposal : If spilled absorb with sand or similar. Ventilate area & eliminate ignition sources

Fire / Explosion : Flammable explosive vapour

Other Information : Vapour release is unlikely as Tag pens are capped. It is unlikely that individual tag pens will cause a fire

Extinguishing Media : Dry chemical, carbon dioxide or foam

Contact Point : BiC (NZ) Limited Auckland New Zealand

The data given here is based on current knowledge and experience. The purpose of this Material Safety Data Sheet is to describe the product in terms of its safety requirements. The data does not signify any warranty with regard to the products properties.

# MATERIAL SAFETY DATA SHEET

## SECTION 1. Product and Company Identification NEW Z TAG MARKER - B

**Product Code:** F- TAG MARKER-B

**Product Name:** NEW Z TAG MARKER - B

**Manufacturer Name and Address:**

**Telephone Numbers:**

**Dates:**

Farnam Companies, Inc.

24 hour  
emergency nu

(602)285-1660

Date Created:  
09/23/2005

301 West Osborn Road

Business hours

(602)285-1660

Revision:  
09/23/2005

Phoenix, AZ. 85013

Marketing

(602)285-1660

Printed:  
09/23/2005

**Responsible Person:** Sherry Faith , **Phone #:**

## SECTION 2. Composition/Information on Ingredients NEW Z TAG MARKER - B

Hazardous Components (Chemical Name)	CAS #	Percentage
1. Chromate(1-),bis1-5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenylazo-2-naphthalenolato(2-)-, sodium	57206-83-4	> 1.0 %
2. Cyclohexanone {Cyclohexyl ketone; Pimelic ketone}	108-94-1	> 1.0 %

	OSHA PEL	ACGIH TLV	ACGIH STEL
1.	No data.	No data.	No data.
2.	50 ppm	20 ppm	50 ppm

## SECTION 3. Hazards Identification NEW Z TAG MARKER - B

### Emergency Overview

Potential to cause acute and chronic health effects with overexposure.

**Route(s) of Entry:** Inhalation? N.A. , Skin? N.A. , Eyes? N.A. , Ingestion? N.A.

Other: No data available.

### Potential Health Effects (Acute and Chronic)

IF SWALLOWED: Toxic with large doses.

IF IN EYES: Irritant with prolonged contact

IF ON SKIN: Irritant - toxic

IF INHALED: Moderate toxicity - narcotic

**Carcinogenicity:** NTP? N.A. , IARC Monographs? N.A. , OSHA Regulated? N.A.

**Carcinogenicity/Other Information**

**Signs and Symptoms Of Exposure**

No data available.

**Medical Conditions Generally Aggravated By Exposure**

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**SECTION 4. First Aid Measures**  
**NEW Z TAG MARKER - B****Emergency and First Aid Procedures**

IF SWALLOWED: If poisoning occurs, do not induce vomiting. Give a glass of water to drink. Seek urgent medical attention.

IF IN EYES: Flush gently with running water, holding eyelids open for 15 minutes. Seek urgent medical attention.

IF ON SKIN: Remove contaminated clothing and gently flush affected areas with soap and water.

IF INHALED: Leave area of exposure. If symptoms develop, seek urgent medical attention.

**Note to Physician**

Treat symptomatically. Contact Poison Control Center

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**SECTION 5. Fire Fighting Measures**  
**NEW Z TAG MARKER - B**

**Flash Pt:** 44.00 C **Method Used:** No data.

**Explosive Limits:** LEL: 1.1% UEL: 9.4%

**Extinguishing Media**

Dry chemical, carbon dioxide, or foam.

**Fire Fighting Instructions****Flammable Properties and Hazards****Hazardous Combustion Products**

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**SECTION 6. Accidental Release Measures**  
**NEW Z TAG MARKER - B****Steps To Be Taken In Case Material Is Released Or Spilled**

If spilled, absorb with sand or similar material. Ventilate area and eliminate ignition sources.

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**SECTION 7. Handling and Storage**  
**NEW Z TAG MARKER - B****Precautions To Be Taken in Handling**

Avoid breathing vapors. Do not ingest. Avoid contact with skin and eyes. Keep away

from children. Do not smoke while handling this material.

**Precautions To Be Taken in Storing**

Store in a cool, dry place out of direct sunlight and away from heat, flames, and ignition sources. Keep containers tightly closed when not in use.

**Other Precautions**

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**SECTION 8. Exposure Controls/Personal Protection**  
**NEW Z TAG MARKER - B**

**Respiratory Equipment (Specify Type)**

No data available.

**Eye Protection**

**Protective Gloves**

**Other Protective Clothing**

For manufacturing: Wear PVC / butyl gloves and coveralls

**Engineering Controls (Ventilation etc.)**

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**SECTION 9. Physical and Chemical Properties**  
**NEW Z TAG MARKER - B**

<b>Physical States:</b>	<input type="checkbox"/> Gas , <input checked="" type="checkbox"/> Liquid , <input type="checkbox"/> Solid
<b>Boiling Point:</b>	157.00 C
<b>Melting Point:</b>	-26.00 C
<b>Specific Gravity (Water = 1):</b>	0.95
<b>Density:</b>	No data.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	10mm
<b>Vapor Density (vs. Air = 1):</b>	No data.
<b>Evaporation Rate (vs Butyl Acetate=1):</b>	No data.
<b>Solubility in Water:</b>	No data.
<b>Other Solubility Notes:</b>	Not available
<b>Percent Volatile:</b>	No data.
<b>Saturated Vapor Concentration:</b>	No data.
<b>Viscosity:</b>	No data.
<b>pH:</b>	No data.

**Appearance and Odor**

Black oily liquid with acetone and peppermint odor.

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**SECTION 10. Stability and Reactivity**  
**NEW Z TAG MARKER - B**

**Stability:** Unstable ☐ Stable ☒

**Conditions To Avoid - Instability**

Avoid heat, open flames, static charge, sparks, and ignition sources.

**Incompatibility - Materials To Avoid**

**Hazardous Decomposition Or Byproducts**

**Hazardous Polymerization:** Will occur [ ] Will not occur [ X ]

**Conditions To Avoid - Hazardous Polymerization**

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**SECTION 11. Toxicological Information**  
**NEW Z TAG MARKER - B**

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**SECTION 12. Ecological Information**  
**NEW Z TAG MARKER - B**

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**SECTION 13. Disposal Considerations**  
**NEW Z TAG MARKER - B**

**Waste Disposal Method**

Dispose of according to Federal, State, and local regulations.

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**SECTION 14. Transport Information**  
**NEW Z TAG MARKER - B**

**DOT Proper Shipping Name**

No data available.

**DOT Hazard Class:** 3

**Additional Transport Information**

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**SECTION 15. Regulatory Information**  
**NEW Z TAG MARKER - B**

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**SECTION 16. Other Information**  
**NEW Z TAG MARKER - B**

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June 1, 2015

Dear Valued Customer:

Thank you for your inquiry concerning a Safety Data Sheet (SDS) for BIC products.

The U.S. Occupational Safety and Health Administration (OSHA) has established regulations regarding hazardous chemical communications. OSHA revised the Hazard Communication Standard (HCS) in 2012 to align with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). This change will provide a common and coherent approach in classifying chemicals and communicating hazard information on labels and Safety Data Sheets (SDS).

All former MSDS's or Material Safety Data Sheets must be replaced with OSHA GHS compliant SDS's by OSHA's imposed deadline date of June 1, 2015. The SDS requirement applies to hazardous chemicals but does not apply to non-hazardous chemicals or exempted items such as "articles" or "consumer products".

BIC writing instruments, lighters, shavers and correction products are "consumer products" as defined by the Consumer Product Safety Act. As such, BIC products are exempt from SDS requirements when they are manufactured, used or distributed pursuant to OSHA guidelines. As a result, an SDS is not required for consumer products such as BIC writing instruments.

Sincerely,

BIC CORPORATION

Joanne Carson

Senior Product Safety Specialist

BIC Corporation, One BIC Way, Suite 1, Shelton, Connecticut 06484 USA [www.bicworld.com](http://www.bicworld.com)  
Telephone: 203-783-2296 Facsimile: 203-783-2108 E-mail: [joanne.carson@bicworld.com](mailto:joanne.carson@bicworld.com)





January 11, 2019

Dear Valued Customer:

Thank you for your inquiry concerning a Safety Data Sheet (SDS) for BIC products.

The U.S. Occupational Safety and Health Administration (OSHA) and the Canada Workplace Hazardous Materials Information System (WHMIS) has established regulations regarding hazardous chemical communications. These regulations were revised in 2012 and 2015, respectively, to align with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The changes provided a common and coherent approach in classifying chemicals and communicating hazard information on labels and Safety Data Sheets (SDS).

In the U.S., all former MSDS's or Material Safety Data Sheets must be replaced with GHS compliant SDS's by OSHA's imposed deadline date of June 1, 2015. In Canada, the deadline date is June 1, 2018. The SDS requirement applies to hazardous chemicals but does not apply to non-hazardous chemicals or exempted items such as "articles" or "consumer products".

BIC writing instruments, lighters, shavers and correction products are "consumer products" as defined by the U.S. Consumer Product Safety Act (CPSA) and the Canada Consumer Product Safety Act (CCPSA). As such, BIC products are exempt from SDS requirements when they are manufactured, used or distributed pursuant to OSHA and WHMIS guidelines. As a result, an SDS is not required for consumer products such as BIC writing instruments.

Sincerely,

BIC CORPORATION

Joanne Carson

Senior Product Safety Specialist

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