

SAFETY DATA SHEET (SDS)



MULTICHEM PERMANENT INK PP170 DARK BLUE, DARK BLUE 143B, BRIGHT BLUE 58B

1: Product and Manufacturer Identification

Product Name : Mullichem Permanent Ink PP170 Dark Blue, Dark Blue 143B, Bright Blue 58B
 Product Code / Other Names : ITA30017, ITA33327
 Material Uses : Ink
 Manufacturer Name : Beifa Group Co., Ltd
 Street Address : NO.298 Jangnan Road (east)
 City, State, Province : Beilun, Ningbo, Zhejiang Province.
 Country & Post Code : China

Emergency Contacts : 86-574-5678-6533

2: Hazard(s) Identification

Physical State : Liquid
 Odor : Mild. Alcohol-like
 WHMIS Status (Canada) : Not available
 Hazard Statements or Symbols : Not available
 OSHA/HCS Status (USA) : N/A
 Hazard Statements or Symbols : Highly flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness.
 Emergency Overview : Not available
 Possible Routes of Entry : Not available

Potential Acute Health Effects

Inhalation : Not available
 Ingestion : Not available
 Skin Contact : Not available
 Eye Contact : Causes serious eye irritation.

Potential Chronic Health Effects

Chronic Effects : Not available
 Carcinogenicity : Not available
 Mutagenicity : Not available
 Teratogenicity : Not available
 Developmental Effects :
 Fertility Effects : Not available
 Medical conditions aggravated by : Not available
 Additional hazards not otherwise classified : Not available

3: Composition / Information on Ingredients

Ingredient Name or Description	CAS Number	%
1-Methoxy-2-propanol	107-98-2	<75%
Propan-2-ol	67-63-0	<20%
Basic Blue 7	2390-60-5	<3%

Additional Composition Details : No information available

4: First-aid Measures

Eye Contact : Rinse thoroughly with plenty of water, also under the eyelids. Consult an eye specialist immediately.
 Skin Contact : Wash off with plenty of water. If skin irritation persists, seek medical advice.
 Inhalation : Remove to fresh air. If symptoms persist, seek medical advice. If unconscious place in recovery position.
 Ingestion : Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting – seek medical advice.
 Protection for First-aid Providers : No information available
 Notes to Physician : No information available

5: Fire-fighting Measures

Flammability of the Product : Highly flammable

Extinguishing Media/Methods

Suitable : Use water spray, alcohol-resistant foam, dry chemical or carbon
 Not Suitable : High volume water jet.
 Special Exposure Hazards : Highly flammable. Vapours may form explosive mixtures with air. In case of fire hazardous decomposition products may be produced, such as carbon monoxide
 Products of Combustion : carbon monoxide (CO) and carbon dioxide (CO2)
 Special Protective Equipment Needed for : In the event of fire, wear self-contained breathing apparatus. Wear
 Special Remarks on Fire Hazards : No information available
 Special Remarks on Explosion Hazards : No information available

6: Accidental Release Measures

Personal Precautions : Use personal protective equipment. Provide adequate ventilation. Keep away from heat and sources of ignition. Avoid contact with skin and eyes. Do not breathe
 Protective Equipment : Wear protective clothing and equipment.
 Environmental Precautions : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

Cleaning / Containing

Small Spill : Contain spillage, and then collect with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations.
 Large Spill : Contain spillage, and then collect with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations.

7: Handling and Storage

Safe Handling Precautions : Keep container tightly closed. Ensure adequate ventilation. Avoid contact with skin and eyes. Do not breathe vapours. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.
 Safe Storage Precautions : Keep in an area equipped with solvent resistant flooring. Store in original container. Keep tightly closed in a dry and cool place. Keep in a well-ventilated place. Keep away from heat. Keep away from direct sunlight.

8: Exposure Controls/Personal Protection

Ingredient Name/Description	Exposure Limits
-----------------------------	-----------------

SAFETY DATA SHEET (SDS)



PURCHEN PERMANENT INK CP 170 DARK BLUE, DARK BLUE 170B, BRIGHT BLUE 300

N/A	N/A
Recommended Monitoring Procedures	: No information available
Engineering Measures	: Refer to protective measures listed in Sections 7 and 8.
Hygiene Measures	: Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at
Personal Protection	
Respiratory	: Use respirator with appropriate filter if vapours or aerosol are released.
Hands	: Wear protective gloves
Eyes	: Safety glasses.
Skin	: Wear suitable protective clothing.
Environmental Exposure Controls	: Do not let product enter drains. If the product contaminates rivers and lakes or drains inform respective authorities

9: Physical and Chemical Properties

Physical State	: Liquid
Flash Point (°C and °F)	: 12°C
Auto-ignition Temperature (°C and °F)	: Not determined
Flammable Limits	: Not available
Color	: Blue
Odor	: Mild. Alcohol-like
Odor Threshold	: Not available.
pH	: 4 -- 8
Boiling/Condensing Point (°C and °F)	: 82°C
Melting/Freezing Point (°C and °F)	: -89.5°C
Relative Density	: 0.96
Vapor Pressure	: 48 hPa 20°C
Vapor Density	: 2
Volatility	: Not determined
Evaporation Rate	: Not available
Viscosity	: 2.0 – 6.0 cP (20°C)
Pour Point (°C and °F)	: Not determined
Solubility	: Completely miscible.

10: Stability and Reactivity

Chemical Stability	: Stable under normal conditions
Hazardous Polymerization	: No further relevant information available
Materials to Avoid	: Strong oxidizing agents, acid anhydrides, air, oxygen, moisture
Hazardous Decomposition Products	: Under fire conditions: carbon monoxide (CO), carbon dioxide (CO2).

11: Toxicological Information

Acute Toxicity

Product/Ingredient Name	Result	Species	Dose	Exposure
1-methoxy-2-propanol	N/A	LD50(rat oral) LC50(rat Inhalation) LD50(rat dermal)	6040 mg/kg 7000 ppm 7h 12900 mg/kg	N/A
propan-2-ol; isopropyl alcohol	N/A	LD50(rat oral) LC50(rat Inhalation) LD50(rabbit dermal)	5000mg/kg 45248ppm 1h 12800 mg/kg	N/A

Chronic Toxicity

Conclusion/Summary : Not available

Irritation/Corrosion

Conclusion/Summary : May cause skin and eye irritation.

Sensitizer

Conclusion/Summary : Not available

Carcinogenicity

Conclusion/Summary : Not available

Classification

Product/Ingredient Name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Mutagenicity

Conclusion/Summary : Not available

Teratogenicity

Conclusion/Summary : Not available

Reproductive Toxicity

Conclusion/Summary : Not available

12: Ecological Information*

Environmental Effects

Aquatic Ecotoxicity

Conclusion/Summary : Not available.

Biodegradability

Conclusion/Summary : Not available.

Other Adverse Effects : No known significant effects or critical hazards.

13: Disposal Considerations*

Waste Disposal : Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not empty into drains. Contact waste disposal services. Empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning. Packaging that cannot be cleaned is to be disposed of in the same manner as the product. Do not burn, or use a cutting torch on the empty drum. Risk of explosion.

Additional References/Details : No further relevant information available

14: Transport Information*

Regulatory Information	UN #	Proper Shipping Name	Classes	PG	Label	Additional Information
N/A	N/A	N/A	N/A	N/A	N/A	N/A

SAFETY DATA SHEET (SDS)



INDUCIEN PERMANENT INK FF 170 DARK BLUE, DARK BLUE 1750, BRIGHT BLUE 500

TDG Classification	N/A	N/A	N/A	N/A	N/A	N/A
DOT Classification	N/A	N/A	N/A	N/A	N/A	N/A

Special Precautions : Not applicable.

15: Regulatory Information*

United States

HCS Classification : No information available.

Canada

WHMIS Classification : No information available.

International Regulations

Canada Inventory : No information available.

United States Inventory (TSCA 8b) : No information available.

Europe Inventory : No information available.

Additional Regulatory Statements : No information available.

16: Other Information

Hazardous Material Information System (United States) : N/A

National Fire Protection Association : N/A

Additional References : N/A

Date of Original Issue : N/A

Date of Current Revision : 05-11-2015

Name of Responsible Party : Belfa

Contact for Copies of SDS : N/A

Additional Comments/Notices : N/A