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MATERIAL SAFETY DATA SHEET

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SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

NAME : HORSE BALL POINT PEN INK.

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

COMPOSITION	CAS NO.	%
2-Phenoxy Ethanol	122-99-6	20 - 60
Benzyl Alcohol	100-51-6	10 - 25
Resin/Dyestuffs/Additive	Blend	20 - 40

SECTION 3 HAZARDS IDENTIFICATION, INCLUDING EMERGENCY OVERVIEW

May be irritating to respiratory tract, skin and eyes.

Wash after handling.

SECTION 4 FIRST AID MEASURES

Eyes : In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

Skin : In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.

Inhalation : Ensure supply of fresh air. In the event of symptoms refer for medical treatment.

Ingestion : Summon a doctor immediately.

SECTION 5 FIRE FIGHTING MEASURES

Suitable extinguishing media : Foam. Dry powder. Water spray jet. Carbon dioxide.

Special protective equipment for firefighters : No special measures required.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions : Ensure adequate ventilation.Keep away sources of ignition.High risk of slipping due to leakage/spillage of product.

Environmental precautions : Do not discharge into the drains/surface waters/groundwater.Prevent spread over a wide area

SECTION 7 HANDLING AND STORAGE

Handling

Information for safe handling:Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

Information about fire-and explosion protection: No special measures required.

Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection : Use Mask.

Hand protection :Protective gloves should be used.

Eye protection: Safety glasses to avoid the possibility of splashing in the eyes.

Skin protection: Avoid contact with the skin.

General protective measures: Do not inhale vapours. Avoid contact with eyes and skin.

Hygiene measures: At work do not eat,drink,smoke or take drugs.Wash hands before breaks and after work. Use barrier skin cream.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Blue/Red/Black
Odour:	Characteristic
pH-value:	6 - 8
Boiling point:	>190 °C

Flash point:	>94 °C
Ignition Temp. :	>230 °C
Lower explosion limit:	1.5%Vol.%
Upper explosion limit:	12%Vol.%
Combustible properties:	No.
Vapour pressure :	Not established
Density:	Not determined.
Solubility in water:	insoluble/Difficult to Mix.
Viscosity:	2500 - 10000 cps.
Melting point:	Not determined.
Autoignition temperature:	Not self ignition.

SECTION 10 STABILITY AND REACTIVITY

Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions: No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

SECTION 11 TOXICOLOGICAL INFORMATION

Primary irritant effect:

On the skin: Irritant to skin and mucous membranes.

On the eye: Strong irritant with the danger of severe eye injury.

Sensitization: No sensitizing effects known.

SECTION 12 ECOLOGICAL INFORMATION

General Information

Do not allow product to reach ground water course or sewage system, even in small quantity, Danger to Drinking water if even extremely small quantities leak in to the Ground.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal in accordance with the regulations of the local authorities.

SECTION 14 TRANSPORT INFORMATION

No unusual transport.

SECTION 15 REGULATORY INFORMATION

No data available.

SECTION 16 OTHER INFORMATION

No data available.