

Material Safety Data Sheet

(According to 91/155 EEC)

1. Identification of the Substance/Preparation/Company

Product details

Trade name: Ballpoint Ink / 0239PG3**Product type:** EEBPHQBK06**Manufacturer /Supplier:**

BEIFA GROUP CO., LTD.

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Further information obtainable from:

Technical service , Rosebort

TEL.:86-574-86186707

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Information in case of emergency:

TEL.:86-574-86186888

2. Composition /information on ingredients

Chemical characterization

Mixture of the following substances , containing non-hazardous substances and colouring agents.

Description : Mixture of substances listed below with nonhazardous additions

Dangerous components:			
122-99-6	2-phenoxyethanol	×Xn; R 22-36	40%
65113-55-5	C. I. Solvent Black 7	×Xn; R 22	40%
100-51-6	Benzyl alcohol	×Xn; R 20/22	15%
13127-82-7	N-Alkyl-"Oleyl"-N,N-bishydroxyethylamine	C ; N; R 22-34-50	2.5%
90506-69-7	Ethylhexyl phosphoric acid ester	C ; R 34	2.5%

Additional information :For the wording of the listed risk phrases refer to section 16.

3. Hazards identification

Hazard description:



Xn Harmful

Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU " in the latest valid version.

R 22 Harmful if swallowed.

R 36 Irritating to eyes.

Classification system:

The classification is according to the latest editions of the EU-lists , and extended by company and literature data.

4. First –aid measures

General information:

Symptoms of poisoning may even occur after several hours ; therefore medical observation for at least 48 hours after the accident .

After inhalation : Supply fresh air ;consult doctor in case of complaints.

After skin contact : Generally the product does not irritate the skin.

After eye contact : Rinse opened eye for several minutes under running water , If symptoms persist , consult a doctor.

After swallowing: Call for a doctor immediately.

5. Fire –fighting measures

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions

Protective equipment: No special measure required .

6. Accidental release measure

Person –related safety precautions :Not required

Measures for environmental protection:

Do not allow to enter sewers / surface or ground water.

Measures for cleaning /collecting: Absorb with liquid-binding material (sand, diatomite, acid binders , universal binders , sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation

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 : Keep container tightly sealed.

8. Exposure controls / personal protection

Additional information about design of technical facilities : No further data; see item 7

Ingredients with limit values that require monitoring at the workplace :

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:The lists valid during the making were used as basis.

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs , beverages and feed .
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device . In case of intensive or longer
Or longer exposure use self-contained respiratory protective device .

Protection of hands:

The glove material has to be impermeable and resistant to the product /the substance /the preparation.
Due to missing tests no recommendation to the glove material can be given for the product /the
preparation /the chemical mixture.
Selection of the glove material on consideration of the penetration times , rates of diffusion and the
degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material , but also on further marks of
quality and varies from manufacturer to manufacturer. As the product is a preparation of several
substances , the resistance of the glove material can not be calculated in advance and has therefore to be
checked prior to the application.

Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to
be observed.

Eye protection:

Tightly sealed goggles.

9. Physical and chemical properties

General Information
<p>Form : Fluid Colour : According to product specification Odour : Characteristic</p>
<p>Change in condition Melting point /Melting range: Undermined Boiling point /Boiling range: 205 °C</p>
Flash point : 101°C
Ignition temperature : 435 °C
Self-igniting : product is not selfigniting
Danger of explosion : product does not present an explosion hazard
<p>Explosion limits : Lower : 1,3 Vol % Upper : 13,0 Vol %</p>

Vapour pressure at 20⁰C : 0,1 hpa
Density : Not determined
Solubility in /Miscibility with Water : not miscible or difficult to mix
Ph-value at 20⁰C :6.5
Viscosity : Dynamic at 20⁰C : 16000 mPas
Solvent contents : Organic solvents : 33.3%
Solids content : 47.3%

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..

11. Toxicological information

Acute toxicity :

Primary irritant effect :

On the skin : No irritating effect

On the eye : Irritating effect

Sensitization: No sensitizing effects known

Additional toxicological information :

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.:

Harmful

Irritant

12. Ecological information

General notes

Water hazard class 1 (German Regulation) (Self-assessment) : slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13. Disposal considerations

Product

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European wast catalogue

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION ,SUPPLY AND USE(MFSU) OF
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	COATINGS(PAINTS, VARNISHES AND VITREOUS ENAMELA),ADHESIVES,SEALANTS AND PRINTING INKS
08 01 00	Wastes from MFSU and removal of paint and varnish
08 01 13	Sludges from paint or varnish containing organic solvents or other dangerous substances

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14. Transport information

<p>Land transport ADR/RID (cross – border) ADR/RID class:</p>
<p>Maritime transport IMDG: IMDG Class: - Marine pollutant: No</p>
<p>Air transport ICAO-TI and IATA-DGR: ICAO/IATA Class: _ Packaging group: Not applicable</p>

15. Regulatory information

Labeling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives /Ordinance on Hazardous Materials.

Code letter and hazard designation of product:

Xn Harmful

Hazard-determining components of labeling:

2-phenoxyethanol

C. I. Solvent Black 7

Risk phrases:

22 Harmful if swallowed

36 Irritating to eyes and skin.

Safety phrases:

23 Do not breathe gas /fumes /vapour /spray (appropriate wording to be specified by the manufacturer).

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice .

36 Wear suitable protective clothing.

60 This material and its container must be disposed of as hazardous waste.

National regulations:

Technical instructions (air):

Class	Share in %
NK	33.3

Waterhazard class: Water hazard class 1(self – assessment):slightly hazardous for water.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.