

Safety Data Sheet

(According to 2006/1907/EC and (EU) 2020/878)

1. Identification of the Substance/Preparation/Company/Undertaking

1.1 Product identifier

Trade name: Acrylic marker

Product form: Article

Item Number: /



1.2.1 Relevant identified uses

Identified uses: writing

Use of the substance/article: For more detail information, see technical data sheet

1.2.2 Uses advised against

No additional information available

1.3 Manufacturer /Supplier:

Manufacture: Beifa Group Co., Ltd

Address: No. 298 Jiangnan Rd. (East) Beilun, China

TEL: 0086-574-56786032

E-mail: jczx@beifa.com

1.4 Information in case of emergency:

TEL: 86-574-56586292

2. Hazards identification

2.1 Classification of the mixture:

The product is classified according to the CLP 1272/2008/EC regulation and (EU) 2020/878

2.2 Label elements

· **Labelling according to Regulation (EC) No 1272/2008** : none

· **Hazard pictograms:** none

· **Signal word:** none

· **Hazard statements:** none

2.3 Other hazards

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3. Composition /information on ingredients

3.1 Substance

Not applicable

3.2 Composition

Description: The following materials classification according to CLP 1272/2008/EC

Common Name	CAS	EINECS	Concentration
PP	9003-07-0	618-352-4	80-90%
PET	25038-59-9	607-507-1	2-5%
PA	63428-83-1	613-218-1	0.5-2%
Acrylic acid	9003-01-4	920-377-3	2-2.5%
titanium dioxide	13463-67-7	236-675-5	2-3.5%
Pigment Blue 15	147-14-8	205-685-1	0-3%
Pigment Green 7	1328-53-6	215-524-7	0-2%
pigment black 7	1333-86-4	215-609-9	0-2%
Pigment Red 122	980-26-7	611-892-1	0-1%
Pigment Red 254	84632-65-5	401-540-3	0-1%
Pigment Vioet 23	6358-30-1	228-767-9	0-1%
Pigment Yellow 13	5102-83-0	225-822-9	0-1%
Pigment Yellow 74	6358-31-2	228-768-4	0-1%
Pigment Yellow 83	5567-15-7	226-939-8	0-1%
Pigment Orange 16	6505-28-8	229-388-1	0-1%
water	7732-18-5	231-791-2	3-3.5%

4. First –aid measures

· 4.1 Description of first aid measures

- 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.
- After swallowing: If symptoms persist consult doctor.

· 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

· 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Fire –fighting measures

· 5.1 Extinguishing media

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

· 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

· 5.3 Advice for firefighters

- Protective equipment: No special measures required.

6. Accidental release measure

Personal precautions: Avoid contact with skin and eyes. Do not breathe vapor; Do not smoke.

Environmental precautions: Do not discharge into drains and rivers

Methods for cleaning up: Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When picked up, treat material as prescribed under heading "Disposal considerations".

Neutralization: Absorb spillage with: inert absorbent material earth or sand

Cleaning/decontamination: Wash non-recoverable remainder with large amounts of water

Disposal: Dispose of contaminated materials in accordance with current regulations

7. Handling and storage

7.1 Precautions for safe handling

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions. Avoid contact with oxidizing agents (e.g. chlorine, chronic acid etc.)

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Keep from freezing. Protect from sun.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original one

7.3 Specific end uses

For writing use only.

8. Exposure controls / personal protection

8.1 Control parameters

· **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.

· 8.2 Exposure controls

· **Personal protective equipment:**

· **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

· **Respiratory protection:** Not required.

· **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

If only a short-term loading of the glove material by splashes is expected, tricoted gloves with higher wearability for the better acceptance of the users are recommended.

· **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.

Nitrile rubber, NBR

· **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:** Goggles recommended during refilling

9. Physical and chemical properties

9.1 General Information

Form : Solid, with liquid content

Color : Deep gray, cold gray, coffee, beaming with joy, night green, cinnamon orange, blackberry purple, clove purple, orange, sky blue, cinnamon orange, red, light purple, green, rose red, royal blue, sweet lemon, pink, yellow, carmine red, red bean soup, grape purple, lake green, purple, blue, cherry blossom pink, sprout green, red orange, soft blue, peacock blue, ink blue, red, cobalt green, fluorescent orange, black, bright yellow, milk blue, forest green, green, brown

Odour: watery slightly

Ignition temperature: >200°C

Self-igniting: Not determined

Danger of explosion: product does not present an explosion hazard

Vapor density (air=1): greater than 1

Solubility

Not soluble in water, content liquid soluble

pH ink 7.0 ± 1.0

Initial boiling point and boiling ink > 100 °C

Melting point

NA

Freezing point

NA

Boiling point

NA

Flash point

Ink >100 °C

Auto-ignition temperature

No self-igniting

Viscosity

Ink 1100 ± 150 Cps

Decomposition temperature

Not available

Explosive properties

Not available

Oxidizing properties

Not available

Upper/Lower Flammability

Not available

9.2 Other information

Minimum ignition energy No data available

VOC content <1%, >0.1%

10. Stability and reactivity

10.1 Reactivity No further relevant information available.

· **10.2 Chemical stability**

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **10.3 Possibility of hazardous reactions** No dangerous reactions known.

· **10.4 Conditions to avoid** No further relevant information available.

· **10.5 Incompatible materials:** No further relevant information available.

· **10.6 Hazardous decomposition products:** No dangerous decomposition products known

11. Toxicological information

Acute toxicity: No health effects are expected

Skin corrosion/irritation: No health effects are expected

Serious eye damage/eye irritation: No health effects are expected

Respiratory or skin sensitization : No health effects are expected

Germ cell mutagenicity: No health effects are expected

Carcinogenicity : No health effects are expected

Reproductive toxicity: No health effects are expected

Specific target organ toxicity - single exposure: No health effects are expected

Specific target organ toxicity - repeated exposure : No health effects are expected

Aspiration hazard : No health effects are expected

Additional Information :

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. Ecological information

12.1 Toxicity

Not expected to be acutely toxic, but material in pellet form may mechanically cause adverse effects if

ingested by waterfowl or aquatic life.

Toxicity to daphnia and other aquatic invertebrates

No information available

12.2 Persistence and degradability

No information available

12.3 Bio-accumulative potential

No information available

12.4 Mobility in soil

Not information available

12.5 Results of PBT and vPvB assessment

Results of PBT assessment Not determined

12.6 Other adverse effects

The product is not toxic, small particles can have physical effects on water and soil organisms

13. Disposal considerations

Destruction/Disposal: Dispose of in accordance with relevant local regulations.

Destruction/disposal: Destroy at an authorized site.

Note: The user's attention is drawn to the possible existence of specific European, national or local regulations regarding disposal

14. Transport information

14.1 UN-Number

· ADR, ADN, IMDG, IATA

not applicable

14.2 UN proper shipping name

· ADR, ADN, IMDG, IATA

not applicable

14.3 Transport hazard class(es)

· ADR, ADN, IMDG, IATA

· Class

not applicable

14.4 Packing group

· ADR, IMDG, IATA

not applicable

· 14.5 Environmental hazards:

Marine pollutant:

No

· 14.6 Special precautions for user

Not applicable.

· 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not dangerous according to the above specifications

UN "Model Regulation":

not applicable

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Classification and labelling according to European Regulation No.1272/008,
No.1907/2006 and its amendments

Chemical safety assessment

The substance is not classified for human health hazards or for environment effects and it is not PBT or vPvB so that no exposure assessment or risk characterization is required. For tasks where the intervention of workers is required, the substance must be handled in accordance with good industrial hygiene and safety procedures.

16. Other information

Legislation related to safety data sheets

European Regulation No.1272/008,
No.1907/2006 and its amendments (eu)2020/878

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International

Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative