

# Material Safety Data Sheet (MSDS)

NO.: NKE21030301406B-E

Date: Mar. 09, 2021

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Name: Alcohol Marker Ink

# Material Safety Data Sheet(MSDS)

**Samples Name** : Alcohol Marker Ink  
**Model** : Black, Blue, Red, Yellow

\*\*\*\*\*FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)\*\*\*\*\*

Signed for and on behalf of  
Kunshan NTEK Testing Technology Co., Ltd



Compiled by: Double

Reviewed by: Emily

Approved by: Summer

Authorized Signatories: Guo Fu, Summer

**Kunshan NTEK Testing Technology Co., Ltd**



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## Section 1 - Chemical Product and Company Identification

**Product Name:** Alcohol Marker Ink

**Supplier: /Manufacturer: /**

**Tel: /**

**Contact Person: /**

**E-Mail: /**

## Section 2 - Hazards Identification

**GHS Fatalness grade:**

Chemical identity	CAS No.	Classification		Labelling		
		Hazard Class and Category Code(s)	Hazard state-ment Code(s)	Pictogram, Signal Word Code(s)	Hazard state-ment Code(s)	Suppl. Hazard state-ment Code(s)
Alcohol	64-17-5	Category 2 Flam. Liq. 2	H225	GHS02 Dgr	H225	/
Resin	9003-35-4	Category 1	H317	GHS07 Warning	H317	/

**Hazard Symbols:**



GHS02, GHS07

**Warning words:** Danger, Warning

**GHS hazard statement:** H225 Highly flammable liquid and vapour  
H317 May cause an allergic skin reaction

**Invasion route:** Skin touch, Eyes touch, Inhalation, Ingestion.

**Health hazards:** may cause an allergic skin reaction,damage to human organs.

**Environment hazards:** May be hazard to Environment.

**Burn & burst danger:** Highly flammable liquids and vapors.





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## Section 3 –Composition/Information on Ingredient

Product: consisting of the following components.

Ingredient Name	CAS No.	EC.No.	By Weight (%)
Alcohol	64-17-5	200-578-6	60.00
Resin	9003-35-4	500-005-2	20.00
Polyvinyl butyral	63148-65-2	272-808-3	5.00
Solvent black	12237-22-8	602-672-6	15
Pigment red	12227-55-3	602-483-9	15
Pigment blue	1324-76-1	215-385-2	15
Pigment yellow	5280-80-8	226-107-4	15

## Section 4 – First-aid Measures

### 4.1 Description of first-aid measures

**Skin touch:** Remove contaminated clothing and thoroughly wash skin with soap and water.

**Eyes touch:** Lift the eyelids and rinse with flowing water or normal saline. Get medical aid.

**Inhalation:** Remove from exposure and move to fresh air immediately. Keep the respiratory tract smooth. Use oxygen if feel hard to breathe. Get medical aid.

**Ingestion:** Drink sufficient hot water and induce vomiting. Get medical aid.

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

No information available.

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

No information available.

## Section 5 – Fire-fighting Measures

### 5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Special hazards arising from the substance or mixture

In case of open fire, high heat or contact with oxidant, there is a risk of combustion and explosion. When it meets with water or steam, it decomposes and releases toxic gas. In case of high heat, it may decompose violently, causing vessel rupture or explosion accident.

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## 5.3 Advice for firefighters

Fire fighters should wear self contained breathing apparatus to avoid inhalation of smoke or vapors.

## 5.4 Harmful combustion products

Carbon monoxide, carbon dioxide

## Section 6 –Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

In the event of fire, wear of full personal protective equipment and an autonomous gas mask. Keep away from spills/leaks and in the upper wind. Leakage areas should be enclosed with seat belts to control the entry of non-relevant personnel.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### 6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## Section 7 - Handling and Storage

### 7.1 Handling

Strictly abide by the operating procedures. Keep away from fire and heat source. No smoking in the workplace. Use explosion-proof ventilation system and equipment. Prevent vapor leakage into the workplace air. When carrying, it should be loaded and unloaded lightly to prevent the package and container from being damaged. Fire fighting equipment of corresponding variety and quantity and leakage emergency treatment equipment shall be provided.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry and well ventilated warehouse. Keep away from fire and heat source. Fire fighting equipment of corresponding variety and quantity shall be provided. The storage area shall be equipped with leakage emergency treatment equipment and suitable storage materials.

### 7.3 Specific end use(s)

No information available.





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## Section 8 - Exposure Controls and Personal Protection

### Exposure controls

**Appropriate engineering controls:** Not necessary under conditions of normal use.

**Respiratory protection:** The higher concentration in the air when filter brand-newly type gas mask, wearing a mask(half).

**Skin protection:** Safety gloves.

**Eye and face protection:** Generally, no special protection is required, and safety glasses can be worn when exposed to high concentration.

**Body protection:** Wear work clothes

**Environmental exposure controls:** None

**Other protection:** Smoking, eating and drinking are prohibited at the work site. Clean thoroughly after work. Keep good hygiene

## Section 9 - Physical and Chemical Properties

### 9.1 Information basic on physical and chemical properties

Appearance:	Liquid
Color:	Black, Blue, Red, Yellow
Odor:	No data
pH-value:	NA
Melting point/Melting range:	No data
Boiling point/Boiling range:	No data
Flash point:	NA
Flammability (solid, gaseous):	Combustible
Self-igniting:	NA
Danger of explosion:	NA
Vapour pressure:	NA
Density:	No data
Solubility in/Miscibility with:	No data
Partition coefficient (n-octanol/water):	NA
Other information:	/

**9.2 Additional information:** No data available.

## Section 10 - Stability and Reactivity

### 10.1 Reactivity

Stable under recommended storage and handling conditions (see section 7, handling and storage).



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## 10.2 Chemical stability

Stable under normal conditions of use, storage and transport.

## 10.3 Possibility of hazardous reactions

No dangerous reactions known.

## 10.4 Conditions to avoid

Avoid heat, contact with humid air, flame.

## 10.5 Incompatible materials

No dangerous reactions known.

## 10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide

## Section 11 - Toxicological Information

**Acute Toxicity:** Intoxication

1. Content analysis: According to the conventional relative density measurement method,  $d_{25}^{25} \leq 0.8096$  (equivalent to 0.8161 at 15.56 / 15.56 °C).

2. Usage limit: FEMA (mg / kg): soft drink. 1700, cold drink 2000, candy 2200, baked food 1800, pudding 230, gum sugar 1400, maple syrup 610, alcoholic beverage (wine) 250-450 000, seasoning 1000, dairy products 30.

FDA, 184.1293 (2000): preservatives of baked food 2.0%; pizza germ 2.0%.

**Irritation:** No information available.

**Subacute and chronic toxicity:** No information available.

**Mutagenicity:** No information available.

**Reproductive toxicity:** No information available.

**Skin corrosion/irritation:** No information available.

**Serious eye damage/irritation:** No information available.

**Respiratory or skin sensitization:** No information available.

**Toxicokinetics, metabolism and distribution:** No information available.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** No information available.

## Section 12 - Ecological Information

### 12.1 Toxicity

**Acquatic toxicity:**

No information available.

### 12.2 Persistence and degradability

No further relevant information available.





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## 12.3 Bioaccumulative potential

No further relevant information available.

## 12.4 Mobility in soil

No further relevant information available.

## 12.5 Other adverse effects

No information available.

## Section 13 - Disposal Considerations

### 13.1 Waste treatment methods

No information available.

## Section 14 - Transport Information

Keep away from fire and heat source. Examine whether the package of containers are integrate and tight-closed or not before transport. No divulgence, no collapse, no precipitation or no damage during the course of transportation. Don't put goodstogether with oxidizers and chief food chemicals.

## Section 15 - Regulatory Information

No information available.

## Section 16 - Additional Information

References: N/A

The data in this Safety Data Sheet relates only to the specific material designated herein. This data is based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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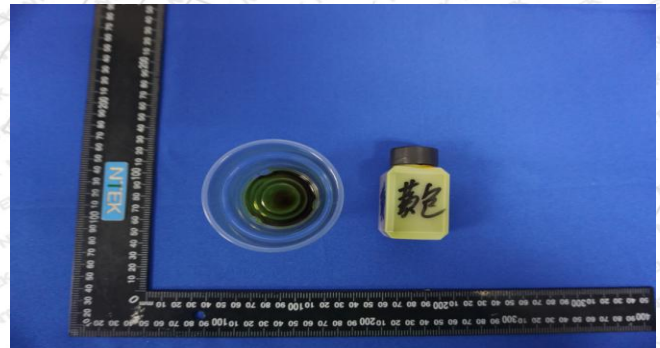
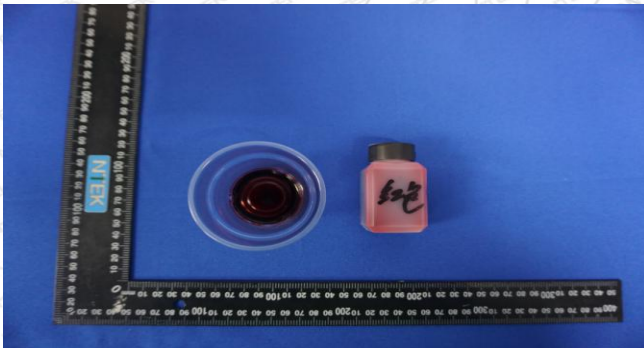
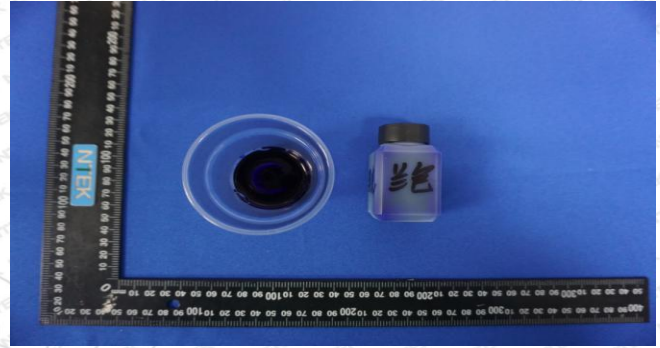
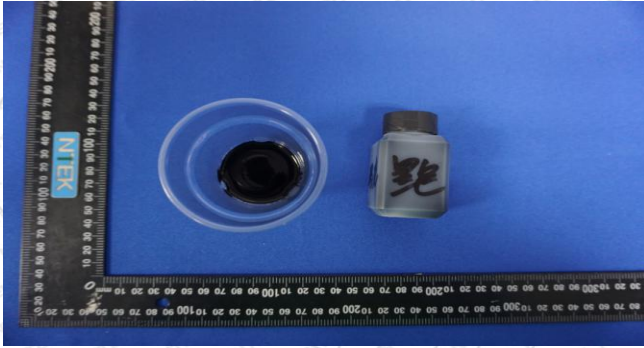
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## Photograph of Sample



\*\*\*End of Report\*\*\*

### Report statement:

1. The test report is invalid without the signature of the authorized person and the special seal of the report.
2. The sample and sample information are provided by the client, and the client shall be responsible for its authenticity. NTEK has not verified its authenticity.
3. The test result is only responsible for the test sample.
4. The test results or data in this report will be used only for education, scientific research, enterprise product development and internal quality control or other purposes.
5. Without the consent of the NTEK, Shall not copy any part of this report.

