

# Material Safety Data Sheet (MSDS)

NO.: A001R180626001002

Date: Jun 26, 2018

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**Applicant:** Shanghai Hongbin International Co.,Limited

**Address:** Room 336,No2525,Chunshen Road ,MingHangArea,ShangHai

**Sample information:**

**Sample name:** PERMANENT MARKER

**Issue date:** Jun 26, 2018

**Test Requested:** As specified by the client, to edit Material Safety Data Sheet (MSDS) for the submitted sample.

Dongguan City Tianrun Testing Technology Co.,Ltd.



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## Material Safety Data Sheet

### Section 1 - Chemical Product and Company Identification

**Product Name:** PERMANENT MARKER

**Manufacture:** Shanghai Hongbin International Co., Limited

**Address:** Room 336, No2525, Chunshen Road, MingHangArea, ShangHai

**Emergency Telephone:** /

**Email:** /

### Section 2 - Hazards Identification

**GHS Hazard Categories:** None

**Pictograms:** None

**Hazard information:**

The ink in product has influence on the water environment, when leakage can not be discharged into the sewer or river.

**Invasion route:** Inhalation, ingestion, eyes, skin contact.

**Health hazards:** Under the normal condition of industrial application, skin contact do not cause skin absorption hazard and irritate. Long-term exposure to high concentrations of this product in producing can cause nasal, eyes, mucosa irritation symptoms. Ingestion can cause abdominal pain, dizziness, vomiting.

### Section 3 - Composition/Information on Ingredient

Pure  Admixture

Composition:

Chemical Name		In % By Weight		CAS No.
ABS(Shell)		90%		9003-56-9
Ink	Alcohol-Soluble Resin	10%	10%	8050-09-7
	Glycol Ether		20%	107-98-2
	Ethyl Alcohol		30%	64-17-5
	Carbon Black		20%	1333-86-4
	Water		20%	7732-13-5

**Abbreviation:** CAS No. is Chemical Abstract Service Registry Number.

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## Section 4 - First Aid Measures

**Skin contact:** Remove contaminated clothes and rinse the skin with plenty of water and soap, clean clothes before wearing.

**Eyes contact:** Lifting the upper and lower eyelids, flush the eyes with plenty of water or saline water.

**Inhalation:** Remove from exposure and move to fresh air immediately, maintain peogaster patency, give oxygen when breathing difficulty.

**Ingestion:** Swallowing accident, get medical aid immediately.

## Section 5 - Fire Fighting Measures

**Danger characteristic:** The product can burn.

**Fire-fighting method:** The staff must equip with isolated breathing apparatus, wear clothes which can defense fire and toxic gases. Put out the fire in the upwind direction. Remove the container to the open space as soon as possible.

**Fire extinguishing agent:** Foam, powder, CO<sub>2</sub>, Sandy clay.

## Section 6 - Accidental Release Measures

**Emergency treatment:** Leakage of contaminated areas to evacuate personnel to safety, as far as possible to cut off sources of pollution. Small amount of divulgence: clean off. Collecte in a dry, clean, covered container and transferred to safe place; Massive divulgence: Recycle or transport to waste treatment place for handling.

## Section 7 - Handling and Storage

**Handling:** Supply with sufficient partial air exhaust. The operating staff must have received special training and abide by the operating regulations. It is advised that the staff wear appropriate personal protective equipment. Keep away from the fire source, heat source, no smoking in the work place. Take care when lifting and handling in case of damaging the package. Equip with relevant types and quantities of extinguishment instruments and device for divulgence handling.

**Storage:** Keep in sealed container, place in a cool dry place. The storage place should be equipped with devices for divulgence handling and suitable shelter materials.

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## Section 8 - Exposure Controls, Personal Protection

### Occupational exposure limit:

MAC(mg/m<sup>3</sup>):No information

TWA(mg/m<sup>3</sup>):No information

STEL(mg/m<sup>3</sup>):No information

**Engineering control:**The production process space is closed,need to strengthen the ventilation.Make sure that there is a wash and shower in the vicinity of the workplace.Set emergency evacuation routes.

**Respiratory Protection:** No protection in normal situation.High concentration contact can wear on the filter type gas mask.

**Eyes Protection:** No protection in normal situation.Wear protective glasses if necessary.

**Body Protection:** Wear work clothes.

**Hands Protection:** Wear protective gloves.

**Other Protections:** No smoking, dining and drinking water in the workplace. Keep good habit of hygiene.

## Section 9 - Physical and Chemical Properties

**Appearance:**Solid

**Colour:**Black

**PH:**N/A

**Melting point/range:**N/A

**Density:**N/A

**Oxidising properties:**N/A

**Solubility in water:**Insoluble in water

**Partition coefficient(n-octanol / water):**N/A

**Evaporation rate:**N/A

**Odour:**Solvent odor

**Boiling point/range:**N/A

**Flashpoint:**N/A

**Viscosity:**N/A

**Vapour pressure:**N/A

**Vapour density:**N/A

**Ignition temperature:**N/A

**UEL:**N/A

## Section 10 - Stability and Reactivity

**Stability:** Stable under normal temperature and pressure

**Distribution of Ban:** Strong oxidizing agent, strong acid

**Conditions to Avoid:** Flame

**Hazardous Polymerization:** None

**Decomposition products:**In normal condition of storage and use,hazardous decomposition products should not be produced.

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## Section 11 - Toxicological Information

### Acute Toxicity:

Alcohol-Soluble Resin:LD 50 (oral) >2000 mg/kg(Rat);LD 50 (dermal)>2000 mg/kg(Rabbit)

Glycol Ether:LD 50 (oral) 11700mg/kg(Mouse);LD 50 (dermal)13000mg/kg(Rabbit)

Ethyl Alcohol:LD 50 (oral) 7060mg/kg(Rat) ;LC 50 (inhalation,4h)39mg/L(Mouse)

**Sub-acute and Chronic Toxicity:** No known significant effects or serious harm.

**Irritation:** No known significant effects or serious harm.

**Sensitization:** No known significant effects or serious harm.

**Mutagenicity:** No known significant effects or serious harm.

**Carcinogenicity:** No known significant effects or serious harm.

## Section 12 - Ecological Information

**Ecological toxicity:**None

**Persistence and degradation:**No information

**Potential bioaccumulation:**No information

**Migration in soil:**No information

**Other harmful effects:**None

## Section 13 - Disposal Considerations

**Disposal method:** Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

**Disposal considerations:** Choose to have certified disposal contractor.

## Section 14 - Transport Information

**UN number:**None

**Risk classification:**None

**Packaging Information:** Packing according to customer requirements:Each in a acrylic box.

**Transport Fashion:**By sea、 By air、 By rail、 By highway

**Transport Attentions:** No collapse or no damage during the course of transportation. Corresponding varieties and number of fire equipment and contingency processing equipment should be equipped during the course of transportation. Strictly prohibit put the goods together with oxidizer, acid, etc. for transport. During transport, the goods should prevent exposure, rain and high temperature. Keep away from fire.

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## Section 15 - Regulatory Information

### Regulatory Information:

ISO 11014-2009 Safety data sheet for chemical products - Content and order of sections.

Regulation (EC) No. 1272/2013 Classification, Labeling and Packaging of Substances and Mixtures.

## Section 16 - Additional Information

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof.

Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

\*\*\*End of SDS\*\*\*