



MATERIAL SAFETY DATA SHEET

MSDS OF WHITEBOARD INK

1.0 Identification of the Substance

Product Name: Whiteboard ink(black)

Application of the Substance / Preparation: Marking ink for use in writing board.

Supplier / Manufacturer:

Shantou Canony Stationery Co., LTD

Zhongzhai industrial zone, Heping Town, Chaoyang District, Shantou City,
Guangdong Province, China

TEL: 0086-0754-89912659

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2.0 Composition / Information On Components

Description: mixture, consisting of following components Dangerous components

ethanol	64-17-5	63%
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Non Dangerous components

PVB(Polyvinyl Butyral)	63148-65-2	15%
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Polyglyceryl fatty ester	67784-82-1	15%
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Carbon black	1333-86-4	7%
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3.0 Hazards Identification

Hazards Description: Highly flammable

[Ethanol] :[F]R:11S:(2-)7-16

Risk Phrase: F Highly Flammable

Safety Advice: 11 Highly Flammable

2 Keep out of the reach of children

7 Keep container tightly closed

16 KEEP AWAY FROM SOURCES OF IGNITION –NO SMOKING

4.0 First Aid Measures

Skin Contact:Remove any contaminated clothing. Wash with soap & flowing water for 15

minutes. If irritation continues consult a physician.



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Eye Contact: Irrigate with a suitable eye solution or water for ten minutes -obtain medical attention.

Inhalation: Remove from exposure -in severe cases obtain medical attention.

Ingestion: Give plenty to drink if ingestion is suspected. DO NOT induce vomiting and consult a physician.

5.0 Fire-Fighting Measures

Extinguishing Media: Alcohol resistant foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Water may not be effective initially.

Media to avoid: Reacts strongly with oxidisers.

Hazardous Combustion Products: Carbon Monoxide (CO) can form with incomplete combustion. Some oxides of nitrogen (NO_x) and sulphur (SO_x) could be formed. Complete combustion will yield primarily carbon dioxide (CO₂) and water.

Protective Equipment: Fire fighters should wear proper protective equipment and self-contained

breathing apparatus with full face-piece.

Additional Information:

Vapours may flow along surfaces to distant ignition sources and flash back.

Closed containers exposed to heat may explode. Move exposed containers from fire area.

6.0 Accidental Release Measures

Personal Precautions: Avoid contact with skin and eyes. Ventilate contaminated area thoroughly. Do not breathe vapour. Extinguish naked flames. Remove ignition sources. No smoking. Avoid sparks. Evacuate the area of all non-essential personnel. Shut off leaks, if possible without personal risk.

Environmental Precautions: Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers.

Method of Clean Up: Absorb or contain liquid with sand, earth or spill control material. Collect avoiding possible spark ignition and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum. Solvent is miscible with water. Flush contaminated area with plenty of water. Retain washings as contaminated waste.

7.0 Handling and Storage

Handling

Handling: Product is not intended nor should be allowed to maintain prolonged skin contact. Ensure good ventilation or the provision of local exhaust ventilation where possible. Avoid contact with eyes, skin and clothing, avoid ingestion and inhalation. Avoid sources of Ignition.



Storage: Keep away from direct sunlight and other sources of heat or ignition. Keep away from oxidising agents. Do not smoke in storage areas. Keep container tightly closed and in a well-ventilated place.

Product Transfer: Low flash point; requires attention to equipment used in transport and use so as to avoid sparks and other sources of ignition. Take precautionary measures against static discharges. Earth all equipment. Avoid splash filling. Do not empty into drains.

8.0 Exposure Controls / Personal Protection

Exposure Limit Values of Ethanol: EH40 (UK), OES: 1000 ppm Period: 8 hours, OES: 1900 mg/m³ /period: 8 hours

Personal Protection:

Respiratory Protection: Avoid inhalation of the vapours when the product is being used. Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material accidentally released. Type approved RPE for organic vapours if required.

Hand Protection: Protective butyl rubber gloves.

Eye Protection: Safety goggles or face shield.

Skin Protection: Overalls and anti static safety shoes.

Additional: Do not permit smoking whilst product is used. Keep away from children.

9.0 Physical and Chemical Properties

Odour: Characteristic odour of alcohol solvent.

Appearance: Coloured liquid.

Volatility: Approx 63%.

pH: 3.0 to 9

Boiling Point / Range: 7.38°C

Flash Point : 12°C (Closed Cup)

Auto-ignition: 365°C

Explosive Properties: This preparation is not considered explosive. The formation of explosive vapour/air mixtures is possible.

Explosive Limits: Lower limit 3.5% to 19% Upper limit (volume % in air).

Vapour Pressure : 5.81 kPa at 20°C



Relative Density: 0.82 –0.86 g/cm³ (water = 1.0)
Solubility Water solubility: solvents miscible with water.
Viscosity: 5 –10cP

10.0 Stability and Reactivity

Conditions to Avoid: Considered a stable product.

Materials to Avoid: Reacts with strong oxidising agents causing fire and explosion hazards. Can also react with acid chlorides, acid anhydrides, aluminium and copper. It may attack some forms of plastic and rubber.

Hazardous Decomposition: May give off irritant / toxic fumes if involved in a fire. Primarily forms oxides of carbon during combustion.

11. Toxicological Information

Acute Effects:

Vapour inhalation: Ataxia, confusion, dizziness, drowsiness, headache, nausea, weakness.

Skin: De-fatting of skin. Dry skin. Note that dermal absorption of solvents could also contribute substantially to the total body burden.

Eyes: Lacrimation, redness, pain, blurred vision.

Ingestion: Abdominal pain, sore throat, drowsiness, headache, nausea.

Target Organ Effects: The preparation may cause liver and kidney damage if abused.

Sensitisation: Allergic skin reaction / dermatitis could occur with misuse of this preparation.

12. Ecological Information

Ecotoxicity: Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers.

Mobility: Mobile liquid. Contains approx 80% volatile components. Solvents readily absorbed into soil. Non-volatile content only slightly soluble in water.

Persistence/Degradability: Solvents are readily biodegradable.

Bio accumulative Potential: This product shows a low bioaccumulation potential.



13.0 Disposal Considerations

Dispose of spilled material and containers in accordance with state and local regulations for hazardous or 'Special' waste. Consider recycling or incineration. State or local regulations are complex and subject to change so should be consulted by the owner of the waste prior to disposal.

14.0 Transport Information

UN No: 1993

Proper Shipping Name: Flammable Liquid (Contains Ethanol)

ADR, IATA, IMDG Hazard Class: 3

Packing Group: 2

15.0 Regulatory Information

R-phrases: R11HIGHLY FLAMMABLE

S-Phrases: S2KEEP OUT OF THE REACH OF CHILDREN

S7KEEP CONTAINER TIGHTLY CLOSED

S16KEEP AWAY FROM SOURCES OF IGNITION –NO SMOKING

IMPORTANT ADVICE:

The information contained herein does not constitute the user's own assessment of workplace risk as required by other health and safety legislation. The above information is provided in good faith and is based on our present knowledge. It shall not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual arrangement.