

## SDS Report

No. SHATY1105162201

Date: Apr. 26, 2018

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Client's name:

Officeworks Ltd.

Client's address:

236-262 East Boundary Road  
Bentleigh East VIC 3165 Australia

SGS Ref No. :

SHTY110400004491

Product Name:

WHITE BOARD INK

End Uses:

USE OF THE BOARD MARKER PEN

Composition/Ingredient:

SEE SECTION 3 COMPOSITION/ INFORMATION  
ON INGREDIENTS ON THE NEXT PAGE

Job Receiving Date:

Apr. 18, 2018

Preparation Period:

Apr. 18–Apr. 26, 2018

### Service Requested

Safety Data Sheet for the Product

### SUMMARY

The contents and format of this MSDS/SDS are in accordance with REGULATION (EC) No 1272/2008, REGULATION (EC) No 1907/2006, EU Commission Directive 1999/45/EC, 67/548/EEC.

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Signed for and on behalf of  
SGS-CSTC Chemical Laboratory

Lindy Liu

Lindy Liu  
Lab Manager

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# Safety data sheet

## Regulation(EC) No. 1907/2006, 1272/2008

Printing date 26.04.2018

Revision: 26.04.2018

### 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** WHITE BOARD INK
- **Article number:** Data not available
- **Registration number:** Data not available
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance/ the preparation:** USE OF THE BOARD MARKER PEN
- **Details of the supplier of the safety data sheet**
- **Manufacturer:**  
Ningbo Xiangfeng Imp. & Exp. Co., Ltd.  
New Add.:50#, Jinji Road, Xiaogang, Ningbo  
Tel: +86-574-86220735
- **Only Representative / other EU contact point**  
Buyer is not located in European Union. European Union Member State contact not available.
- **Supplier:** Officeworks Ltd.  
236-262 East Boundary Road  
Bentleigh East VIC 3165  
Australia 1300 633 43  
ABN: 36 004 763 526  
Emergency Phone Number: POISONS INFORMATION CENTRE 13 11 26

### 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



F+; Highly flammable

R11: Highly flammable.

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms** GHS02
- **Signal word** Danger
- **Hazard statements**  
H225 Highly flammable liquid and vapour.
- **Precautionary statements**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Additional information:**  
Important! This product contains substance that is of restricted use under Annex XVII of Regulation (EC) No. 1907/2006. For details, please refer to Section 15 and 16 of this Safety Date Sheet.
- **Other hazards** Not applicable

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- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**  
Mixture: consisting of the following components.  
For the wording of the listed risk phases refer to section 16.

- **Dangerous components:**

CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5	ethanol	 F R11  Flam. Liq. 2, H225	72,0%
CAS: 1333-86-4 EINECS: 215-609-9	Carbon black	 Self-heat. 1, H251	7,0%

- **Non-dangerous component:**

CAS: 27214-90-0 EINECS: 248-333-2	diisooctyl sebacate	7,0%
CAS: 123-95-5 EINECS: 204-666-5	butyl stearate	7,0%
CAS: 103-23-1 EINECS: 203-090-1	bis(2-ethylhexyl) adipate	7,0%

- **Remark:**  
carbon black(CAS No. 1333-86-4)  
synonym: C.I. pigment black 7  
  
bis(2-ethylhexyl) adipate(CAS No. 103-23-1)  
synonym: Dioctyl adipate

### 4 First aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub> sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:**  
Mouth respiratory protective device.

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Wear fully protective suit.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Avoid breathing vapors, mist or gas.

Avoid contact with eyes.

Wear protective equipment. Keep unprotected persons away.

- **Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

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

- **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

- **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.

### 7 Handling and storage

- **Handling:**

- **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Avoid contact with eyes.

- **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

- **Conditions for safe storage, including any incompatibilities**

- **Requirements to be met by storerooms and receptacles:** Store in a cool location.

- **Information about storage in one common storage facility:**

Keep away from ignition sources.

Store away from foodstuffs.

- **Further information about storage conditions:**

Keep container tightly closed in a dry and well-ventilated place.

- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

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

- **Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

#### 64-17-5 ethanol

AGW (Germany)	960 mg/m <sup>3</sup> , 500 ppm 2(II);DFG, Y
WEL (Great Britain)	1920 mg/m <sup>3</sup> , 1000 ppm
VME (France)	Short-term value: 9500 mg/m <sup>3</sup> , 5000 ppm Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm

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**1333-86-4 Carbon black**

WEL (Great Britain)	Short-term value: 7 mg/m <sup>3</sup> Long-term value: 3,5 mg/m <sup>3</sup>
VME (France)	3,5 mg/m <sup>3</sup>

- **DNELs:** Data not available
- **PNECs:** Data not available
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Based on composition shown in Section 3, the following measures are suggested for occupational safety measure:**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Respiratory protection:** Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

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 through 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

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Liquid
Colour:	Black
- **Odour:** slight odor of alcohol
- **Odour threshold:** Data not available.
- **pH-value:** Data not available.
- **Change in condition**

Melting point/Melting range:	Data not available.
Boiling point/Boiling range:	Data not available
- **Freezing point:** Data not available
- **Flash point:** Data not available

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· <b>Flammability (solid, gaseous):</b>	Data not available
· <b>auto-Ignition temperature:</b>	Data not available
· <b>Decomposition temperature:</b>	Date not available.
· <b>Self-igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Explosion limits:</b>	
<b>Lower:</b>	Data not available.
<b>Upper:</b>	Data not available.
· <b>Oxidizing properties</b>	Data not available.
· <b>Vapour pressure:</b>	Data not available.
· <b>Density:</b>	Data not available.
· <b>Relative density</b>	Data not available.
· <b>Vapour density</b>	Data not available.
· <b>Evaporation rate</b>	Data not available.
· <b>Solubility in / Miscibility with water:</b>	Data not available
· <b>Partition coefficient (n-octanol/water):</b>	Data not available.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Data not available.
<b>Kinematic:</b>	Data not available.
· <b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **Reactivity** No decomposition if used according to specification.
- **Chemical stability** Stable under recommended storage conditions.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· <b>LD/LC50 values relevant for classification:</b>		
<b>64-17-5 ethanol</b>		
Oral	LD50	3450 mg/kg (mouse) 7060 mg/kg (rat) 6300 mg/kg (rabbit)
Inhalative	LC50/4 h	20000 mg/l (rat)
<b>1333-86-4 Carbon black</b>		
Oral	LD50	10000 mg/kg (rat)
<b>123-95-5 butyl stearate</b>		
Oral	LD50	32000 mg/kg (rat)

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**103-23-1 bis(2-ethylhexyl) adipate**

Oral	LD50	9110 mg/kg (rat)
Dermal	LD50	8410 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** Irritating effect possible.
- **on the eye:** Irritating effect possible.
- **Sensitization:** Sensitization possible.
- **Toxicokinetics, metabolism and distribution** No further relevant information available.
- **Acute effects (acute toxicity, irritation and corrosivity)** No further relevant information available.
- **Repeated dose toxicity** No further relevant information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
No further relevant information available.

**12 Ecological information**

- **Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional 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.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

**13 Disposal considerations**

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 33
- **UN-Number:** 1170
- **Packaging group:** II
- **Hazard label:** 3
- **UN proper shipping name:** 1170 ETHANOL (ETHYL ALCOHOL), mixture
- **Limited quantities (LQ)** 1L

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- **Transport category** 2
- **Tunnel restriction code** D/E

· **Maritime transport IMDG:**

- **IMDG Class:** 3
- **UN Number:** 1170
- **Label** 3
- **Packaging group:** II
- **EMS Number:** F-E,S-D
- **Marine pollutant:** No
- **Proper shipping name:** ETHANOL (ETHYL ALCOHOL), mixture

· **Air transport ICAO-TI and IATA-DGR:**

- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1170
- **Label** 3
- **Packaging group:** II
- **Proper shipping name:** ETHANOL, mixture

- **UN "Model Regulation":** UN1170, ETHANOL (ETHYL ALCOHOL), mixture, 3, II
- **Special precautions for user** Warning: Flammable liquids.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

103-23-1 bis(2-ethylhexyl) adipate

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**· **Chemicals known to cause cancer:**

1333-86-4 Carbon black

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

64-17-5 ethanol

· **Cancerogenity categories**· **EPA (Environmental Protection Agency)**

103-23-1 bis(2-ethylhexyl) adipate

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· <b>IARC (International Agency for Research on Cancer)</b>		
1333-86-4	Carbon black	2B
103-23-1	bis(2-ethylhexyl) adipate	3
· <b>NTP (National Toxicology Program)</b>		
None of the ingredients is listed.		
· <b>TLV (Threshold Limit Value established by ACGIH)</b>		
64-17-5	ethanol	A3
1333-86-4	Carbon black	A4
· <b>MAK (German Maximum Workplace Concentration)</b>		
64-17-5	ethanol	5
1333-86-4	Carbon black	3B
· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>		
1333-86-4	Carbon black	
· <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>		
None of the ingredients is listed.		
· <b>National regulations:</b>		
· <b>Waterhazard class:</b> Water hazard class 1 (Self-assessment): slightly hazardous for water.		
· <b>Other regulations, limitations and prohibitive regulations</b>		
· <b>Candidate List of Substances of very high concern (SVHC) according to ECHA (15/12/2010)</b>		
None of the ingredients is listed.		
· <b>REACH Regulation Annex XVII Restriction(22/6/2009)</b>		
64-17-5	ethanol	
· <b>REACH Regulation Annex XIV Authorization List(17/2/2011)</b>		
None of the ingredients is listed.		
· <b>Chemical safety assessment:</b> A Chemical Safety Assessment has not been carried out.		

## 16 Other information

Review and update information in accordance with GHS requirements.

### Relevant phrases

H225 Highly flammable liquid and vapour.

H251 Self-heating: may catch fire.

R11 Highly flammable.

### Recommended restriction of use

REACH Annex XVII Restricted-3

(3. Liquid substances or mixtures, which are regarded as dangerous according to the definitions in Council Directive 67/548/EEC and Directive 1999/45/EC.)

ethanol(CAS No.64-17-5)

1. Shall not be used in:

- ornamental articles, intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

2. Articles not complying with paragraph 1 shall not be placed on the market.

3. Shall not be placed on the market if they contain a colouring agent unless required for fiscal reasons or perfume or both and if they:

- present an aspiration hazard and are labelled with R65 or H304, and,
- can be used as fuel in decorative lamps, and,
- are packaged in containers of a capacity of 15 litres or less.

4. Without prejudice to the implementation of other Community provisions relating to the classification,

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packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of substances and mixtures covered by paragraph 3, where intended for use in lamps, is marked visibly, legibly and indelibly as follows:

"Keep lamps filled with this liquid out of the reach of children".

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**DISCLAIMER OF LIABILITY**

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**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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EU