

SDS Report

No. SHAHG1504153801

Date: Mar. 30, 2015

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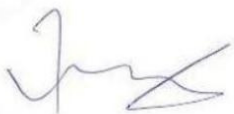
SHANGHAI NNW NEW MATERIALS CO.,LTD.
ROOM 106, NO.33, LESHAN ROAD, SHANGHAI 200030, CHINA

SGS Ref. No. : SHHG1503007699SD
Sample Name : WHITE BOARD INK(BLACK)
End Uses : To write
Composition/Ingredient of sample (as per client submission) : See *section 3 Composition/information on ingredients* on the SDS report
Job Receiving Date : Mar 18, 2015
Last Information Date : Mar 19, 2015
SDS Preparation Period : Mar 18 - 25, 2015

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g), and is provided per attached.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Wei WANG, Terry
Approved Signatory



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Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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Safety Data Sheet

29 CFR 1910.1200


Printing date 03/25/2015


Reviewed on 03/19/2015

1 Identification

- **Product identifier**
- **Trade name:** WHITE BOARD INK(BLACK)
- **Recommended use of the chemical and restrictions on use**
- **Application of the substance / the preparation:** To write
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
SHANGHAI NNW NEW MATERIALS CO.,LTD.
ROOM 106 , NO.33 , LESHAN ROAD, SHANGHAI 200030, CHINA
Tel: 021-64476059
Email: nmw609@126.com
- **Only Representative/ other US contact point:** Not available
- **Further information obtainable from:** SHANGHAI NNW NEW MATERIALS CO.,LTD.
- **Emergency telephone number:**
Su jicheng
Tel: 13311812200
-
- **Poison Center**
Tel: +1 800 222 1222
- **Reference Number:** SHHG1503007699SD; SHAHG1504153801

2 Hazard(s) identification

- **Classification of the substance or mixture**
Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200)
-  **GHS02 Flame**

Flam. Liq. 2 H225 Highly flammable liquid and vapor.
- **Information concerning particular hazards for human and environment:**
The product has to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Classification system:**
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **Label elements**
- **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**
- **Hazard pictograms**
-  **GHS02**
- **Signal word** *Danger*
- **Hazard-determining components of labeling:** Not applicable.
- **Hazard statements**
H225 Highly flammable liquid and vapor.
- **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 / eye protection / face protection.

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P303+P361+P353 *If on skin (or hair): 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.*

· **Hazards not otherwise classified (HNOC)** No further relevant information available.

3 Composition/information on ingredients


· **Chemical characterization: Mixtures**

· **Description:**

Mixture of the substances listed below with nonhazardous additions.

For the wording of the listed risk phrases refer to section 16.

· **Composition:**

64-17-5	ethanol	 Flam. Liq. 2, H225	20.0%
25322-68-3	polyethylene glycol		20.0%
57-55-6	propane-1,2-diol		20.0%
25168-73-4	Sucrose stearate		15.0%
9004-96-0	Polyoxyethylene monoleate		15.0%
63148-65-2	polyvinyl butyral		5.0%
1333-86-4	carbon black		5.0%

4 First-aid measures

· **Description of first aid measures**

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Rinse out mouth with water.

If symptoms persist consult doctor.

Never give anything by mouth to an unconscious person.

· **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 Fire-fighting measures

· **Suitable extinguishing agents:** CO₂, 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.

· **Special protective equipment and precautions for firefighters**

· **Protective equipment:**

Wear fully protective suit.

Mouth respiratory protective device.

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6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures:**

- Wear protective equipment. Keep unprotected persons away.
- Ensure adequate ventilation.
- Keep away from ignition sources.
- Use respiratory protective device against the effects of fumes/dust/aerosol.
- Avoid contact with eyes.
- Avoid contact with skin.

· **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.
- Dispose contaminated material as waste according to item 13.

7 Handling and storage

· **Precautions for safe handling:**

- Keep receptacles tightly sealed.
- Keep away from heat and direct sunlight.
- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.
- Avoid contact with eyes and skin.

· **Information about protection against explosions and fires:**

- 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.
- Store only in the original receptacle.

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

- Store away from foodstuffs.
- Store away from flammable substances.

· **Further information about storage conditions:**

- Keep receptacle tightly sealed.
- Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

· **Components with limit values that require monitoring at the workplace:**

64-17-5 ethanol (20.0%)

PEL (USA)	Long-term value: 1900 mg/m ³ , 1000 ppm
REL (USA)	Long-term value: 1900 mg/m ³ , 1000 ppm
TLV (USA)	Short-term value: 1880 mg/m ³ , 1000 ppm

25322-68-3 polyethylene glycol (20.0%)

WEEL (USA)	Long-term value: 10 mg/m ³ (H); MW>200
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57-55-6 propane-1,2-diol (20.0%)

WEEL (USA)	Long-term value: 10 mg/m ³
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1333-86-4 carbon black (5.0%)

PEL (USA)	Long-term value: 3.5 mg/m ³
REL (USA)	Long-term value: 3.5* mg/m ³ *0.1 in presence of PAHs; See Pocket Guide Apps.A+C
TLV (USA)	Long-term value: 3* mg/m ³ *inhalable fraction

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure**
- **Appropriate engineering controls:**
Wash hands before breaks and at the end of work.
See Section 7 for information about design of technical facilities.
- **Personal protective equipment**
- **Breathing equipment:** 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

- **General Information**
- **Appearance:**

Form:	Liquid
Color:	Black
- **Odor:** Odorless
- **Odour threshold:** Not available.
- **pH-value:** Not available.
- **Change in condition**

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

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· Flammability (solid, gaseous):	Not applicable.
· Auto-Ignition temperature:	Not available.
· Decomposition temperature:	Not available.
· Explosion limits:	
Lower:	Not available.
Upper:	Not available.
· Vapor pressure:	Not available.
· Density:	Not available.
· Relative density	Not available.
· Vapour density	Not available.
· Evaporation rate	Not available.
· Solubility in / Miscibility with Water:	Not available.
· Partition coefficient (n-octanol/water):	Not available.
· Viscosity:	
Dynamic:	Not available.
Kinematic:	Not available.
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No decomposition if used according to specifications.
- **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

- **Acute toxicity**

- **LD/LC50 values that are relevant for classification:**

64-17-5 ethanol

Oral	LD50	7060 mg/kg (rat)
Inhalative	LC50/4 h	20000 mg/l (rat)

25322-68-3 polyethylene glycol

Oral	LD50	27500 mg/kg (rat)
Dermal	LD50	>20000 mg/kg (rabbit)

57-55-6 propane-1,2-diol

Oral	LD50	20000 mg/kg (rat)
Dermal	LD50	20800 mg/kg (rabbit)

63148-65-2 polyvinyl butyral

Oral	LD50	10000 mg/kg (rat)
Dermal	LD50	7940 mg/kg (rabbit)

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Trade name: WHITE BOARD INK(BLACK)

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1333-86-4 carbon black

Oral	LD50	>8000 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rabbit)

- **Primary irritant effect**
- **on the skin:** Irritating effect possible.
- **on the eye:** Irritating effect possible.
- **Sensitization:** Sensitization possible.
- **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations.

· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

64-17-5	ethanol	1
1333-86-4	carbon black	2B

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

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

14 Transport information

- **UN-Number**
- **DOT, IMDG, IATA** UN1170
- **UN proper shipping name**
- **DOT** Ethanol mixture
- **IMDG** ETHANOL (ETHYL ALCOHOL) mixture
- **IATA** ETHANOL mixture

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· **Transport hazard class(es)**· **DOT**· **Class** 3 Flammable liquids· **Label** 3· **IMDG, IATA**· **Class** 3 Flammable liquids· **Label** 3· **Packing group**· **DOT, IMDG, IATA** II· **Environmental hazards**· **Marine pollutant:** No· **Special precautions for user**

Warning: Flammable liquids

· **EMS Number:** F-E,S-D· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

· **Transport/Additional information:**· **DOT**· **Limited quantities (LQ):** On passenger aircraft/rail: 5 L

On cargo aircraft only: 60 L

· **IMDG**· **Limited quantities (LQ)** 1L· **Excepted quantities (EQ)** Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· **UN "Model Regulation":**

UN1170, Ethanol (Ethyl alcohol) mixture, 3, II

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**· **Sara**· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

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

None of the ingredients is listed.

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

64-17-5 ethanol

25322-68-3 polyethylene glycol

57-55-6 propane-1,2-diol

9004-96-0 Polyoxyethylene monooleate

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63148-65-2 polyvinyl butyral

1333-86-4 carbon black

· **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

· **Carcinogenicity categories**· **EPA (Environmental Protection Agency):**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH):**

64-17-5 ethanol

A3

1333-86-4 carbon black

A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

1333-86-4 carbon black

16 Other information

· **NFPA ratings (scale 0 - 4)**

Health = 0

Fire = 3

Reactivity = 0

· **HMIS ratings (scale 0 - 4)**

HEALTH 0 Health = 0

FIRE 3 Fire = 3

REACTIVITY 0 Reactivity = 0

· **Relevant phrases**

H225 Highly flammable liquid and vapor.

The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY :

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

· **Date of preparation / last revision 03/25/2015 / -**· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

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ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Flam. Liq. 2: Flammable liquids, Hazard Category 2

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