SDS Report

No. SHAHG2003100201 Date: Apr. 16, 2020 Page 1 of 1

SGS Ref. No.	:	SHHL2003505634SD-SH
Sample Name	:	WHITEBOARD INK (RED)
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 13, 2020
Last Information Date	:	Apr 13, 2020
SDS Preparation Period	:	Mar 13 – Apr 13, 2020

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 European Commission Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 2015/830, and is provided per attached.

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

Cathy Cai

Cathy Cai
Approved Signatory

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Safety data sheet
Regulation (EC) No. 1907/2006 and 1272/2008

Printing date 13.04.2020 *Version number 1.0* *Revision: 13.04.2020*

SECTION 1: Identification of the substance/mixture and of the company/undertaking

· **1.1 Product identifier**
· **Trade name: WHITEBOARD INK (RED)**

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
· **Application of the substance / the mixture:** TO WRITE

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**

.
· **1.4 Emergency telephone number:**
Su Jicheng
Tel: 13311812200
FRANCE
Anti-poison center ORFILA (INRS)
Tel: +33 (0)1 45 42 59 59
GERMANY
Poison Center Berlin - Institute of Toxicology
Tel: +49 030 192 40
· **1.5 Reference Number:** SHHL2003505634SD-SH; SHAHG2003100201

SECTION 2: Hazards identification

· **2.1 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.
· **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of Regulation (EC) No. 1272/2008.
· **Classification system:**
The classification is according to the latest edition of EU Regulation (EC) No. 1272/2008, and extended by company and literature data.

· **2.2 Label elements**
· **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to CLP Regulation.
· **Hazard pictograms**


GHS02

· **Signal word** Danger

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· ***Hazard-determining components of labelling:*** *Not applicable*
· ***Hazard statements***
H225 Highly flammable liquid and vapour.
· ***Precautionary statements***

P210	*Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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): Take off immediately all contaminated clothing. Rinse skin with water [or shower].*
P403+P235	*Store in a well-ventilated place. Keep cool.*
P501	*Dispose of contents/container in accordance with local/regional/national/international regulations.*

· ***2.3 Other hazards***
· ***Results of PBT and vPvB assessment***
· ***PBT:*** *Not applicable*
· ***vPvB:*** *Not applicable*

SECTION 3: Composition/information on ingredients

· ***3.2 Mixtures***
· ***Description:***
Mixture of substances listed below with nonhazardous additions.
For the wording of the listed hazard statements refer to section 16.

· ***Composition:***

CAS: 64-17-5 *EINECS: 200-578-6* *Index number: 603-002-00-5*	*ethanol* *Flam. Liq. 2, H225*	*20.0%*
CAS: 25322-68-3 *NLP: 500-038-2*	*Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated* *substance with a Community workplace exposure limit*	*20.0%*
CAS: 57-55-6 *EINECS: 200-338-0*	*propane-1,2-diol* *substance with a Community workplace exposure limit*	*18.5%*
CAS: 9004-96-0 *NLP: 500-015-7*	*Oleic acid, ethoxylated*	*17.0%*
CAS: 25168-73-4 *EINECS: 246-705-9*	*sucrose stearate*	*17.0%*
CAS: 84632-65-5	*3,6-Bis(4-chlorophenyl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione*	*6.0%*
CAS: 63148-65-2	*Butvar B-98*	*1.5%*

SECTION 4: First aid measures

· ***4.1 Description of first aid measures***
· ***General description:*** *Immediately remove any clothing soiled by the product.*
· ***After inhalation:*** *Supply fresh air; consult doctor in case of complaints.*
· ***After skin contact:***
Immediately rinse with water.
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.
Never give anything by mouth to an unconscious person.

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Seek medical treatment.

· **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.

· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
CO_2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

· **5.3 Advice for firefighters**
· **Protective equipment:**
Mouth respiratory protective device.
Wear fully protective suit.

SECTION 6: Accidental release measures

· **6.1 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.

· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

· **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 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.
Avoid contact with skin and eyes.
For the general occupational hygienic measures refer to section 8.
· **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

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· **7.2 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.
Keep away from ignition sources.
· **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.

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

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**	
64-17-5 ethanol (20.0%)	
AGW (Germany)	Long-term value: 380 mg/m³, 200 ppm 4(II);DFG, Y
VLEP (France)	Short-term value: 9500 mg/m³, 5000 ppm Long-term value: 1900 mg/m³, 1000 ppm
25322-68-3 Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated (20.0%)	
MAK (Germany)	Long-term value: 250 E mg/m³ mittlere Molmasse 200-600; vgl. Abschn. Xc
57-55-6 propane-1,2-diol (18.5%)	
MAK (Germany)	als Dampf und Aerosol;vgl.Abschn.IIb und Xc

· **Regulatory information**
AGW (Germany): TRGS 900
VLEP (France): ED 984, 10.2016
MAK (Germany): MAK- und BAT-Liste
· **DNELs:** Data not available
· **PNECs:** Data not available

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**
· **Based on composition shown in Section 3, the following messures are suggested for occupational safety measure:**
· **Appropriate engineering controls:**
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
See Section 7 for information about design of technical facilities.

· **Personal protective equipment:**
· **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.

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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

· **Environmental exposure controls:**
Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **Appearance:**	
Form:	*Liquid*
Colour:	*Red*
· **Odour:**	*Odourless*
· **Odour threshold:**	*Data not available.*
· **pH-value:**	*Data not available.*
· **Melting point/freezing point:**	*Data not available.*
· **Initial boiling point and boiling range:**	*Data not available*
· **Flash point:**	*20-22 °C*
· **Flammability (solid, gas):**	*Not applicable*
· **Auto-Ignition temperature:**	*Data not available*
· **Decomposition temperature:**	*Date not available.*
· **Self-igniting:**	*Product is not selfigniting.*
· **Explosive properties:**	*Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.*
· **Explosion limits:**	
Lower:	*Data not available.*
Upper:	*Data not available.*
· **Oxidising properties**	*Data not available*
· **Vapour pressure:**	*Data not available.*
· **Density:**	*Data not available.*
· **Relative density**	*Data not available.*
· **Vapour density**	*Data not available.*
· **Evaporation rate**	*Data not available.*
· **Solubility in / Miscibility with water:**	*Data not available*

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· **Partition coefficient: n-octanol/water:**	Data not available.
· **Viscosity:**	
Dynamic:	Data not available.
Kinematic:	Data not available.
· **9.2 Other information**	No further relevant information available.

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No decomposition if used according to specification.

· **10.2 Chemical stability** Stable under recommended storage conditions.

· **10.3 Possibility of hazardous reactions** No dangerous reactions known.

· **10.4 Conditions to avoid** No further relevant information available.

· **10.5 Incompatible materials:** No further relevant information available.

· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**
· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**		
64-17-5 ethanol		
Oral	LD50	3,450 mg/kg (mouse)
		7,060 mg/kg (rat)
		6,300 mg/kg (rabbit)
Inhalative	LC50/4 h	20,000 mg/l (rat)
25322-68-3 Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated		
Oral	LD50	28,915 mg/kg (mouse)
		22,000 mg/kg (rat)
		14,000 mg/kg (rabbit)
57-55-6 propane-1,2-diol		
Oral	LD50	20,000 mg/kg (rat)
Dermal	LD50	20,800 mg/kg (rabbit)
9004-96-0 Oleic acid, ethoxylated		
Oral	LD50	>25,000 mg/kg (mouse)

· **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
· **Serious eye damage/irritation:** Based on available data, the classification criteria are not met.
· **Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.
· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
· **Carcinogenicity:** Based on available data, the classification criteria are not met.
· **Reproductive toxicity:** Based on available data, the classification criteria are not met.
· **STOT-single exposure:** Based on available data, the classification criteria are not met.
· **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
· **Aspiration hazard:** Based on available data, the classification criteria are not met.

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SECTION 12: Ecological information

· **12.1 Toxicity**
· **Aquatic toxicity:** No further relevant information available.

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

· **12.7 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.

SECTION 13: Disposal considerations

· **13.1 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.

SECTION 14: Transport information

· **14.1 UN-Number**	
· **ADR/RID/ADN, IMDG, IATA**	UN1170
· **14.2 UN proper shipping name**	
· **ADR/RID/ADN, IMDG**	ETHANOL (ETHYL ALCOHOL) mixture
· **IATA**	ETHANOL mixture
· **14.3 Transport hazard class(es)**	
· **ADR/RID/ADN, IMDG, IATA**	



· **Class**	3 Flammable liquids.
· **Label**	3
· **14.4 Packing group**	
· **ADR/RID/ADN, IMDG, IATA**	II
· **14.5 Environmental hazards**	Not applicable.
· **14.6 Special precautions for user**	Warning: Flammable liquids.
· **Hazard identification number (Kemler code):**	33
· **EMS Number:**	F-E,S-D

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· **Stowage Category**	A
· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable.
· **14.8 Transport/Additional information:**	
· **ADR/RID/ADN**	
· **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
· **Transport category**	2
· **Tunnel restriction code**	D/E
· **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":**	UN 1170 ETHANOL (ETHYL ALCOHOL) MIXTURE, 3, II

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **MAK (German Maximum Workplace Concerntration)**

64-17-5	ethanol	5

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **Seveso category** P5c FLAMMABLE LIQUIDS
· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
· **National regulations:**
· **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

· **Other regulations, limitations and prohibitive regulations**

· **SVHC Candidate List of REACH Regulation Annex XIV Authorisation (16/1/2020)**

None of the ingredients is listed.

· **REACH Regulation Annex XVII Restriction (20/6/2019)**
See Section 16 for information about restriction of use.

None of the ingredients is listed.

· **REACH Regulation Annex XIV Authorization List (13/6/2017)**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

· **Relevant hazard statements**
H225 Highly flammable liquid and vapour.

· **Classification according to Regulation (EC) No 1272/2008**

Flammable liquids	Bridging principles

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Safety data sheet
Regulation (EC) No. 1907/2006 and 1272/2008

Printing date 13.04.2020 *Version number 1.0* *Revision: 13.04.2020*

Trade name: WHITEBOARD INK (RED)

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The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

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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)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2

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