Whiteboard Ink WB600.11 All Colours (see listed in Section 16*)

Data Sheet No: DS306 Issue Version 4.0

Date: 16th January 2017 Revised Date: 3rd April 2018 Page 1 of 14

1.0 - Identification of the substance/mixture and of the company/undertaking

1.1 - Product identification

Trade name : Whiteboard Ink WB600.11 All Colours (see section 16)

Substance name : n/a Index-No. : n/a CAS-No. : n/a EC-No. : n/a

1.2 - Relevant identified uses of the substance or mixture and uses advised against

Use of the Preparation for use in writing instruments.

substance/mixture

Recommended : At this time we do not yet have information on use restrictions. They will be included in this safety data sheet when available.

1.3 - Details of the supplier of the safety data sheet

Company HAINENKO LIMITED

284 Chase Road, Southgate, N14 6HF

London

Telephone 020 8882 8734
Fax 020 8882 7749

e-mail address d.ashpole@hainenko.com

1.4 - Emergency telephone number

Emergency telephone 020 8882 8734

2.0 - Hazards Identification

2.1 - Classification of the substance or mixture

Regulation (EC) No. 1272/2008					
Hazard class	Hazard category	Target organs	Hazard statements		
Flammable liquids	2		H225		
Serious eye damage/eye irritation	2		H319		
Aquatic chronic	2		H411		

For the full text of the H-Statements mentioned in this Section, see Section 16.

Most important adverse effects

Human health : See Section 11 for toxicological information.

No further information available.

Physical and chemical See Section 9 for physiochemical information.

hazards No further information available.

Potential environmental See Section 12 for environmental information.

effects No further information available.

2.2 – Label elements

Whiteboard Ink WB600.11 All Colours (see listed in Section 16*)

Data Sheet No: DS306 Issue

Version 4.0 Date: 16th January 2017 Revised Date: 3rd April 2018 Page 2 of 14

Labelling according to Regulation (EC) No. 1272/2008

Hazard symbols:







Signal word Danger

Hazard statements H225 Highly flammable liquid and vapour.

> H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

Keep away from heat/sparks/open flames/hot surfaces. No P210

smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment. Take

P243 precautionary measures against static discharge.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face

protection.

P305 IF IN EYES: rinse cautiously with water for several minutes. P351 Remove contact lenses, if present and easy to do. Continue

P338 rinsing.

If eye irritation persists: get medical advice/attention. P337

P313

Store in a well-ventilated place. Keep cool. Storage P403

P235

2.3 - Other hazards

No other information is available.

3.0 - Composition/information on ingredients

3.1 - Substances

Chemical nature : mixture

Chemical name	Index No.	REACH Reg. No.	CAS No.	EC No.	Amount (%)
Ethanol	603-002-00-5	01-2119457610-43	64-17-5	200-578-6	<70%
Propan-2-ol	603-117-00-0	01-2119457558-25	67-63-0	200-661-7	<16%
Dioctyl maleate		01-2119524002-60	142-16-5	205-524-5	<10%

Chemical name	Classification according to Regulation (EC) No. 1272/2008
Ethanol	H225 (2), H319 (2)
Propan-2-ol	H225 (2), H319 (2), H336 (3)
Dioctyl maleate	H373(2), H410(1)

For the full text of the H-Statements mentioned in this Section, see Section 16.

4.0 - First aid measures

Whiteboard Ink WB600.11 All Colours (see listed in Section 16*)

Data Sheet No: DS306 Issue

Version 4.0 Date: 16th January 2017 Revised Date: 3rd April 2018 Page 3 of 14

4.1 - Description of first aid measures

General advice Take off all contaminated clothing immediately

In case of inhalation Remove to fresh air. If symptoms persist, seek medical advice. If

unconscious place in recovery position.

Wash off with plenty of water. If skin irritation persists, seek medical In case of skin contact

advice.

In case of eye contact Rinse thoroughly with plenty of water, also under the eyelids. Consult

an eye specialist immediately.

Clean mouth with water and drink afterwards plenty of water. Never In case of ingestion

give anything by mouth to an unconscious person. If swallowed, do not

induce vomiting - seek medical advice.

4.2 - Most important symptoms and effects, both acute and delayed

Symptoms No further information available. No further information available. Effects

4.3 - Indication of immediate medical attention and special treatment needed

Treatment Treat symptomatically.

No further information available.

5.0 - Fire-fighting measures

5.1 - Extinguishing media

Suitable extinguishing

media

Unsuitable extinguishing

media

Use water spray, alcohol-resistant foam, dry chemical or carbon

dioxide.

High volume water jet.

5.2 - Special hazards arising from the substance or mixture

Specific hazards during

fire-fighting

Highly flammable. Vapours may form explosive mixtures with air. In case of fire hazardous decomposition products may be produced, such

as carbon monoxide (CO) and carbon dioxide (CO₂).

5.3 - Advice for fire-fighters

Special protective

equipment for fire-fighters Further information

In the event of fire, wear self-contained breathing apparatus. Wear

appropriate body protection (full protective suit).

Cool closed containers exposed to fire with water spray. Heating will cause a pressure rise – with risk of bursting. Collect contaminated fire extinguishing water separately. This must not be discharged into

drains.

6.0 - Accidental release measures

Whiteboard Ink WB600.11 All Colours (see listed in Section 16*)

Data Sheet No: DS306 Issue

Version 4.0 Date: 16th January 2017 Revised Date: 3rd April 2018 Page 4 of 14

6.1 - Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Provide adequate ventilation. Keep Personal precautions

away from heat and sources of ignition. Avoid contact with skin and eyes. Do not breathe vapours. For personal protection see Section 8.

6.2 - Environmental precautions

Do not flush into surface water or sanitary sewer system. Avoid subsoil Environmental precautions

penetration.

6.3 – Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning

Contain spillage, and then collect with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see

Section 13).

Treat recovered material as described in Section 13. Further information

6.4 - Reference to other sections

For personal protection see Section 8.

7.0 - Handling and storage

7.1 - Precautions for safe handling

Advice on safe handling Keep container tightly closed. Ensure adequate ventilation. Avoid

> contact with skin and eyes. Do not breathe vapours. Emergency eye wash fountains and emergency showers should be available in the

immediate vicinity.

Keep away from food, drink and animal feeding stuffs. Smoking, eating Hygiene measures

and drinking should be prohibited in the application area. Wash hands

before breaks and at the end of the working day. Take off all

contaminated clothing immediately. Avoid contact with skin and eyes.

Do not breathe vapours of spray mist.

7.2 - Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Advice on protection against fire and explosion Keep in an area equipped with solvent resistant flooring. Store in

original container.

Combustible liquid. Keep away from sources of ignition – no smoking. Take measures to prevent the build-up of electrostatic charge. Vapours

may form explosive mixtures in air. Use only in an area containing

explosion proof equipment.

Further information on storage conditions

Advice on common storage

Keep tightly closed in a dry and cool place. Keep in a well-ventilated place. Keep away from heat. Keep away from direct sunlight.

Incompatible with oxidizing agents. Keep away from food, drink and

animal feeding stuffs.

7.3 - Specific end uses

Specific use(s) No information available.

8.0 - Exposure controls/personal protection

Whiteboard Ink WB600.11 All Colours (see listed in Section 16*)

Data Sheet No: DS306 Issue

Version 4.0

Date: 16th January 2017

Revised Date: 3rd April 2018

Version 4.0

Page 5 of 14

8.1 - Control parameters

Component: ethanol;	ethyl a	Icohol		CAS No. 64-17-5
Other OELs				
Regulatory basis	9	UK. EH40 Workpla	ce Exposure Limits (WELs)	
Regulatory list	3	EH40 WEL		
Value type	- 3	Time Weighted Ave	erage (TWA):	
Value	3	1000 ppm		
Value	8	1920 mg/m ³		

Component: propan-2	-ol; iso	propyl alcohol		CAS No. 67-63-0
Other OELs				
Regulatory basis		UK. EH40 Workpla	ce Exposure Limits (WELs)	
Regulatory list		EH40 WEL		
Value type		Time Weighted Ave	erage (TWA):	
Value		400 ppm		
Value	:	999 mg/m ³		
Regulatory basis	8	UK. EH40 Workpla	ce Exposure Limits (WELs)	
Regulatory list	7	EH40 WEL	. , ,	
Value type	7	Short Term Exposu	re Limit (STEL):	
Value		500 ppm		
Value	ű.	1250 mg/m ³		

8.2 - Exposure controls

Engineering measures

Refer to protective measures listed in Sections 7 and 8.

Personal protective equipment

Respiratory protection

Advice Required, if exposure limit is exceeded (e.g. OEL). Respirator with a

gas filter. Recommended filter type: A.

Hand protection

Advice : Wear suitable gloves. Take note of the information given by the

producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Protective gloves should be replaced at first signs of wear.

Material : Butyl-rubber Gloves : >= 8 h Glove thickness : 0.5 mm

Material : Fluorocarbon rubber

Gloves : >= 8 h Glove thickness : 0.4 mm

Material Polychloroprene

Gloves : >= 2 h Glove thickness : 0.5 mm

Whiteboard Ink WB600.11 All Colours (see listed in Section 16*)

Data Sheet No: DS306 Issue

Date: 16th January 2017 Revised Date: 3rd April 2018

Version 4.0

Page 6 of 14

Eye protection

Advice Safety glasses.

Skin and body protection

General advice Wear suitable protective clothing.

Environmental exposure controls

General advice : Do not let product enter drains. If the product contaminates rivers and

lakes or drains inform respective authorities.

9.0 - Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Appearance Various colours, liquid

Odour : Alcohol-like
Odour threshold : Not determined

pH : 3 to 9

Melting point / freezing point : -114.5°C

Initial boiling point and boiling range : 78.3°C

Initial boiling point and boiling range : 78.3°C
Flash point : 12°C
Evaporation rate : Not determined

Flammability : Not determined Upper/lower flammability or explosive limits : 15% (V), 3.5% (V) Vapour pressure : 59 hPa 20°C Vapour density : Not determined Relative density : Not determined

Solubility Miscible in water, readily miscible with solvents

Partition coefficient: n-octanol/water Not determined

Auto-ignition temperature : 425°C

Decomposition temperature : Not determined Viscosity : 4 to 13cP (20°C) Explosive properties : Not determined Oxidising properties : Not determined

9.2 - Other information

No further information available.

10.0 - Stability and reactivity

10.1 - Reactivity

Advice : Stable under recommended storage conditions.

10.2 - Chemical stability

Advice : Stable under normal conditions.

10.3 - Possibility of hazardous reactions

Hazardous reactions No information available.

10.4 - Conditions to avoid

Conditions to avoid Heat, flames and sparks.

Whiteboard Ink WB600.11 All Colours (see listed in Section 16*)

Data Sheet No: DS306 Issue

Date: 16th January 2017 Revised Date: 3rd April 2018

Version 4.0 Page 7 of 14

CAS No. 64-17-5

10.5 - Incompatible Materials

Materials to avoid Alkali metals, alkaline earth metals, strong oxidizing agents, nitric acid,

sulphuric acid, peroxides (e.g. hydrogen peroxide).

10.6 - Hazardous decomposition products

Hazardous decomposition

products

: Under fire conditions: carbon monoxide (CO), carbon dioxide (CO₂).

11.0 - Toxicological information

11.1 - Information on toxicological effects

Component: ethanol; ethyl alcohol

Acute toxicity		
Oral		
Value type	2	LD50
Value	2	6200 mg/kg
Species	:	rat
Inhalation		
Value type	:	LC50
Value	1	124.7 mg/kg
Exposure time	1	4 h
Species	2	rat
Irritation		
Skin		
Remarks	•	Degreases the skin, which may cause dryness. Prolonged or repeated skin contact may result in dermatitis.
Eyes		•
Remarks		Splashes in eyes may cause strong pain. Vapour can cause irritation.
Sensitisation		
Remarks	1	Did not cause sensitisation on laboratory animals.
Further information		
Other relevant toxicity		All numerical values for acute toxicity are calculated on the pure
information		substances.
Experiences with human exposure	*	Repeated and prolonged exposure to solvents may cause brain and nervous system damage.

Whiteboard Ink WB600.11 All Colours (see listed in Section 16*)

Data Sheet No: DS306 Issue
Date: 16th January 2017 Revised Date: 3rd April 2018 Version 4.0
Page 8 of 14

Component: propan-2-ol;	isopropyl alcohol CAS	S No. 67-63-
Acute toxicity		
Oral		
Value type	: LD50	
Value	; 5280 mg/kg	
Species	; rat	
Inhalation		
Value type	: LC50	
Value	; 72.6 mg/kg	
Exposure time	: 4 h	
Species	; rat	
Value type	: LC50	
Value	: 47.5 mg/l	
Exposure time	: 8 h	
Species	: rat	
Dermal		
Value type	: LD50	
Value	: 12800 mg/kg	
Species	rabbit	
Irritation		
Skin		
Species	: rabbit	
Result	: No skin irritation	
Eyes		
Species	: rabbit.	
Result	: Irritating to eyes	
Sensitisation		
Species	: Guinea pig	
Result	: Not sensitizing	
Method	: Buehler test	
Further information		
Other relevant toxicity	: All numerical values for acute toxicity are calculated on the	e pure
information	substances.	-
Experiences with human	Prolonged skin contact may defat the skin and result in de	rmatitis.
exposure	Inhalation of high vapour concentrations may cause symp	
•	headache, dizziness, tiredness, nausea and vomiting. Ris	
	entering the lungs on vomiting after ingestions. Liver injury	

Whiteboard Ink WB600.11 All Colours (see listed in Section 16*)

Data Sheet No: DS306 Issue

Version 4.0 Date: 16th January 2017 Revised Date: 3rd April 2018 Page 9 of 14

Component: dioctyl maleate CAS No. 142-16-5 Acute toxicity Oral Value type : LD50 Value ; <2000 mg/l Species rat Inhalation Value type : LC50 ; >5000 mg/m³ Value Dermal Value type : LD50 15 ml/kg Value

CAS No. 64-17-5

12.0 - Ecological information

Component: ethanol; ethyl alcohol

12.1 - Toxicity

Acute toxicity		
Fish		
Species	1	Leuciscus idus (Golden orfe)
Value type	Ů.	LC50
Value	(8150 mg/l
Toxicity to daphnia and oth	ner	aquatic invertebrates
Species	1	Daphnia magna
Exposure time		48 h
Value type		EC50
Value		9268 – 14221 mg/l
Algae		
Species	2	Scenedesmus quadricauda
Exposure time		168 h
Value type		EC0
Value	:	5000 mg/l
Bacteria		
Species	:	Pseudomonas putide
Value type	:	EC0
Value	:	6500 mg/l
Remarks	•	Cell-proliferation inhibition test

Whiteboard Ink WB600.11 All Colours (see listed in Section 16*)

Data Sheet No: DS306 Issue Version 4.0

Date: 16th January 2017 Revised Date: 3rd April 2018 Page 10 of 14

CAS No. 67-63-0 Component: propan-2-ol; isopropyl alcohol Acute toxicity Fish **Species** Pimephales promelas Exposure time 96 h Value type LC50 Value 9640 mg/l Toxicity to daphnia and other aquatic invertebrates : Daphnia magna **Species** Exposure time 48 h EC50 Value type Value 13299 mg/l **Algae Species** Desmodesmus subspicatus (green algae) Exposure time 72 h Value type EC50 Value ; >1000 mg/l **Bacteria** Pseudomonas putide Species Exposure time 18 h EC10 Value type Value 5175 mg/l Method : DIN 38412

Component: dioctyl maleate	CAS No. 142-16-5
Acute toxicity	

Respiration inhibition of activated sludge

Activated sludge

EC50

>1000 mg/l

Fish

Species

Value

Value type

Remarks

Species : fish
Exposure time : 48 h
Value type : LC50
Value : 86 mg/l

Toxicity to daphnia and other aquatic invertebrates

Species Daphnia magna

Exposure time : 48 h
Value type : EC50
Value : >0.76 mg/l

Algae

Species : Algae
Exposure time : 72 h
Value type : IC50
Value : >100 mg/l

Whiteboard Ink WB600.11 All Colours (see listed in Section 16*)

Data Sheet No: DS306 Issue

Date: 16th January 2017 Revised Date: 3rd April 2018

Version 4.0 Page 11 of 14

12.2 - Persistence and degradability

Component: ethanol; ethy	l alcohol	CAS No. 64-17-5
D : ()	1 1 1114	

Persistence and biodegradability

Biodegradability

Remarks : Readily biodegradable

Component: propan-2-ol; isopropyl alcohol CAS No. 67-63-0

Persistence and biodegradability

Biodegradability

Biodegradation : 95% Exposure time : 21 d

Method : OECD 301 E

Remarks Readily biodegradable.

12.3 - Bioaccumulative potential

Component: propan-2	-ol; isopropyl alcohol	CAS No. 67-63-0
Bioaccumulation		
Remarks	Does not bioaccumulate	

12.4 - Mobility in soil

Mobile in water environment.

12.5 - Results of PBT and vPvB assessment

No information available.

12.6 - Other adverse effects

All numerical values for ecotoxicity effects are calculated on the pure substances. Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

13.0 - Disposal considerations

13.1 - Waste treatment methods

Product : Disposal together with normal waste is not allowed. Special disposal

required according to local regulations. Do not empty into drains.

Contact waste disposal services.

thorough and proper cleaning. Packaging that cannot be cleaned is to be disposed of in the same manner as the product. Do not burn, or use

a cutting torch on the empty drum. Risk of explosion.

European Waste Catalogue Number : 080312 – waste ink containing dangerous substances

Whiteboard Ink WB600.11 All Colours (see listed in Section 16*)

Data Sheet No: DS306 Issue

Version 4.0 Date: 16th January 2017 Revised Date: 3rd April 2018 Page 12 of 14

14.0 - Transport information

14.1 - UN number

1993

14.2 - UN proper shipping name

ADR Flammable Liquid n.o.s (contains ethanol) RID Flammable Liquid n.o.s (contains ethanol) **IMDG** Flammable Liquid n.o.s (contains ethanol)

14.3 - Transport hazard class(es)

ADR-Class

(Labels; classification 3; F1; 33: (D/E)

code; hazard

identification number;

tunnel restriction code)

RID-Class 3

(Labels; classification 3:F1;33

code; hazard

identification number)

3 **IMDG-Class**

3; (F-E, <u>S-E)</u> (Labels ; EmS)

14.4 - Packaging group

ADR - 11 RID Ш **IMDG** Ш

Whiteboard Ink WB600.11 All Colours (see listed in Section 16*)

Data Sheet No: DS306 Issue

Date: 16th January 2017 Revised Date: 3rd April 2018

Version 4.0 Page 13 of 14

14.5 - Environmental hazards

Labelling according to 5.2.1.8 ADR

Labelling according to

5.2.1.8 RID



Labelling according to 5.2.1.6.3 IMDG

Classification as Yes

environmentally hazardous according to

2.9.3 IMDG

Classified as 'P' according Yes

to 2.10 IMDG

14.6 - Special precautions for user

Not applicable.

14.7 - Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG Not applicable.

15.0 - Regulatory information

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

No information available.

15.2 - Chemical safety assessment

No information available.

Whiteboard Ink WB600.11 All Colours (see listed in Section 16*)

Data Sheet No: DS306 Issue Version 4.0

Date: 16th January 2017 Revised Date: 3rd April 2018 Page 14 of 14

16.0 - Other information

16.1 - Full text of H-Statements referred to under Sections 2 and 3

H225
H319
Causes serious eye irritation.
H336
May cause drowsiness or dizziness.

H373 : May cause damage to organs through prolonged or repeated

exposure.

H410 : Very toxic to aquatic life with long lasting effects.H411 : Toxic to aquatic life with long lasting effects.

16.2 - Further information

*Ink colour shades : Black A, Blue B, Red C, Green D, Orange E, Yellow F, Brown G,

Emerald J, Scarlet L, Victoria Blue P, Lavender H, Turquoise R, Purple T, Violet V, Rose Pink X, Lemon Grass Y, Ruby Red CS, Golden Orange EF, Mandarin Orange EK, Lime Green YQ, Blood Red YR, Jade JS, Bright Red BR, Orange CE, Red C3, Blue 7-42C, Dark Blue

BX, Brick Red LX, Orange 9-69B, Pink 9-131B, Red 12-52A

Other information The information provided in this safety data sheet is correct to our

knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this safety data sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material

or in any process, unless specified in the text.

HS Tariff Code : 32159070