



# Nobo Whiteboard Marker Ink

## SAFETY DATA SHEET

23-09-2020

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product Name	Nobo Whiteboard Marker Ink
Product Code	1901072, 1901073, 1901077, 1902408, 1901419, 1902076, 1902077, 1902081, 1902091, 1902096, 1902162, 1903792, 2104184, 1903798, 1901430, 1905330, 34438861, 1903775, 1903822, 1915377, 1915378, 1915379, 1915380, 1915381, 1915382, 1915383, 1915384, 1915385, 1915386, 1915387, 1915388, 1915389, 1915390, 1915391, 1915393, 1915264, 1915265, 1915266, 1915267, 1915268, 1915392, 1915444
CAS No.	Not applicable.
EC No.	Not applicable.

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

Identified Use(s)	Preparation for use in writing instruments.
Uses Advised Against	Not known.

#### 1.3 Details of the supplier of the safety data sheet

Company	<b>Acco UK Ltd.</b> Oxford House, Oxford Road, Aylesbury, Bucks, HP21 8SZ. Telephone +44 (0) 844 209 8360 E-mail <a href="mailto:informationeurope@acco.com">informationeurope@acco.com</a> Website <a href="http://www.acco.co.uk">www.acco.co.uk</a> Office hours 09:00 - 17:00	
Company	<b>ACCO Brands Australia Pty Ltd</b> 2 Coronation Avenue, Kings Park, 2148 NSW, Australia Telephone +61 2 9674 0900 E-mail <a href="mailto:sds.anz@acco.com">sds.anz@acco.com</a> Website <a href="http://www.accobrand.com.au">www.accobrand.com.au</a> Office hours 09:00 - 17:00	<b>ACCO Brands New Zealand Ltd</b> 29 Pukekiwiri Place, East Tamaki Auckland 2013, New Zealand Telephone +64 9633 2288 E-mail <a href="mailto:sds.anz@acco.com">sds.anz@acco.com</a> Website <a href="http://www.accobrand.com.nz">www.accobrand.com.nz</a> Office hours 09:00 - 17:00

#### 1.4 Emergency telephone number

Poison Information Centre (Australia)	13 11 26
National Poisons Centre (New Zealand)	0800 764 766 (0800 POISON)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP)	Flam. Liq. 2 :Highly flammable liquid and vapour. Eye Irrit. 2 :Causes serious eye irritation. Aquatic Chronic 2 :Toxic to aquatic life with long lasting effects.
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#### 2.2 Label elements

	According to Regulation (EC) No. 1272/2008 (CLP)
Product Name	Nobo Whiteboard Marker Ink

# Nobo Whiteboard Marker Ink

## SAFETY DATA SHEET

23-09-2020

Hazard Pictogram(s)



GHS02



GHS07



GHS09

Signal Word(s)

Danger

Hazard Statement(s)

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P273: Avoid release to the environment.

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

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P370+P378: In case of fire: Use water spray, foam, dry powder or CO<sub>2</sub> to extinguish.

P501: Dispose of contents in accordance with local, state or national legislation.

### 2.3 Other hazards

None known.

### 2.4 Additional Information

For full text of H/P Statements see section 16.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable.

### 3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%WW	Hazard Statement(s)	Hazard Pictogram(s)
Ethanol	64-17-5	200-578-6 01-2119457610-43-XXXX	<70	Flam. Liq. 2 H225 Eye Irrit. 2 H319	GHS02 GHS07
Propan-2-ol	67-63-0	200-661-7 01-2119457558-25-XXXX	<16	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336	GHS02 GHS07
Bis(2-ethylhexyl) maleate	142-16-5	205-524-5	<10	STOT RE 2 H373	GHS08



# Nobo Whiteboard Marker Ink

## SAFETY DATA SHEET

23-09-2020

		01-2119524002-60-XXXX		Aquatic Chronic 1 H410	GHS09
Poly(oxy-1,2-ethanediyl), alpha-phosphono-omega-(octyloxy)-	31800-88-1	688-486-6	<0.5	Skin Irrit. 2 H315 Eye Dam. 1 H318	GHS05 GHS07

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water. If symptoms occur obtain medical attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Wash out mouth with water. If symptoms persist, obtain medical attention.

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

Causes serious eye irritation.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

Suitable Extinguishing media	Use water spray, foam, dry powder or CO <sub>2</sub> to extinguish.
Unsuitable extinguishing media	Water jet spray

#### 5.2 Special hazards arising from the substance or mixture

Highly flammable liquid and vapour. Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide.

#### 5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Water spray should be used to cool containers.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear suitable protective clothing, gloves and eye/face protection. Wash hands and exposed skin thoroughly after handling.

#### 6.2 Environmental precautions

Avoid release to the environment.

### 6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal.

### 6.4 Reference to other sections

See Also Section 8, 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Provide adequate ventilation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical/ventilating/lighting/equipment. Keep container tightly closed. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin thoroughly after handling.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep cool.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

Alkaline metal, Alkaline earth metal, Strong oxidising agents, Nitric acid, Sulphuric acid, Peroxides.

### 7.3 Specific end use(s)

Preparation for use in writing instruments.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### 8.1.1 Occupational Exposure Limits

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Ethanol	64-17-5	1000	1920			
Propan-2-ol	67-63-0	400	999	500	1250	

Region

Source

EU

EU Occupational Exposure Limits

United Kingdom

UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

### 8.2 Exposure controls

#### 8.2.1. Appropriate engineering controls

Ensure adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems.

#### 8.2.2. Personal protection equipment

## SAFETY DATA SHEET



Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374).

Recommended: Butyl rubber (0.5 mm), Fluorocarbon rubber (0.4 mm)

Breakthrough time of the glove material: refer to the information provided by the gloves' producer.



Respiratory protection

Normally no personal respiratory protection is necessary. Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely.

Recommended: A suitable mask with filter type A may be appropriate.



Thermal hazards

Not applicable.

8.2.3. Environmental Exposure Controls Avoid release to the environment.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

Appearance	Liquid.
	Colour : Various colours.
Odour	Alcohol-like.
Odour threshold	Not established.
pH	Not established.
Melting point/freezing point	-114.5 °C
Initial boiling point and boiling range	78.3 °C
Flash Point	12 °C
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Flammable Limits (Upper) (%v/v): 15 Flammable Limits (Lower) (%v/v): 3.5
Vapour pressure	Not available.
Vapour density	Not available.
Density (g/ml)	Not available.
Relative density	Not available.
Solubility(ies)	Solubility (Water) : Miscible Solubility (Other) : Miscible with most organic solvents.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	425 °C
Decomposition Temperature (°C)	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

#### 9.2 Other information

None.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable under normal conditions.

### 10.2 Chemical Stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

### 10.4 Conditions to avoid

Avoid friction, sparks, or other means of ignition.

### 10.5 Incompatible materials

Alkaline metal, Alkaline earth metal, Strong oxidising agents, Nitric acid, Sulphuric acid, Peroxides.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity - Ingestion	Low oral toxicity.
Acute toxicity - Skin Contact	Low acute toxicity.
Acute toxicity - Inhalation	Low acute toxicity.
Skin corrosion/irritation	Not classified.
Serious eye damage/irritation	Causes serious eye irritation. No data.
Skin sensitization data	It is not a skin sensitiser.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenic effects.
Reproductive toxicity	No evidence of reproductive effects.
Lactation	None anticipated.
STOT - single exposure	Not classified.
STOT - repeated exposure	None anticipated.
Aspiration hazard	Not classified.

### 11.2 Other information

Not known.



# Nobo Whiteboard Marker Ink

## SAFETY DATA SHEET

23-09-2020

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 Toxicity

Toxic to aquatic life with long lasting effects. No data.

Toxicity - Aquatic invertebrates

Low toxicity to invertebrates.

Toxicity - Fish

Low toxicity to fish.

Toxicity - Algae

Low toxicity to algae.

Toxicity - Sediment Compartment

Not classified.

Toxicity - Terrestrial Compartment

Not classified.

#### 12.2 Persistence and degradability

Part of the components are biodegradable.

#### 12.3 Bioaccumulative potential

No information on this formulation.

#### 12.4 Mobility in soil

Miscible with water. The product is predicted to have high mobility in soil.

#### 12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

#### 12.6 Other adverse effects

Not known.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Dispose of this material and its container to hazardous or special waste collection point. Dispose at suitable refuse site.

#### 13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

### SECTION 14: TRANSPORT INFORMATION

#### 14.1 UN number

UN No.

1993

#### 14.2 UN proper shipping name

UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (Contains: Ethanol, Propan-2-ol)

#### 14.3 Transport hazard class(es)



# Nobo Whiteboard Marker Ink

## SAFETY DATA SHEET

23-09-2020

### ADR/RID

ADR/RID Class	3
ADR Classification Code	F1
Special Provisions	274 601 640D
Limited Quantities	1 L
Excepted Quantities	E2
Emergency Action Code	•3YE
Mixed Packing Instructions for Packages	P001 IBC02 R001
Mixed Packing Instructions for Packages	MP19
Packing Instructions for Portable Tanks	T7
Special Provisions for Portable Tanks	TP1 TP8 TP28
Tank Code for Tanks	LGBF
Vehicle for Tank Carriage	FL
ADR Transport Category	2
Tunnel Restriction Code	D/E
Special Provisions for Carriage -	S2 S20

### Operation

ADR HIN 33

### IMDG

IMDG Class	3
Special Provisions	274 601 640D
Limited Quantities	1 L
Excepted Quantities	E2
Mixed Packing Instructions for Packages	P001 IBC02 R001
Packing Instructions for Portable Tanks	T7
Special Provisions for Portable Tanks	TP1 TP8 TP28
IMDG EMS	F-E, S-E
Stowage and Handling	Category B

### ICAO/IATA

IATA Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. (Contains: Ethanol, Propan-2-ol)
Excepted Quantities	E2
Passenger and Cargo Aircraft Limited	Y341
Quantities Packing Instructions	
Passenger and Cargo Aircraft Limited	1L
Quantities Max net Qty	
Passenger and Cargo Aircraft Packing	353
Instructions	
Passenger and Cargo Aircraft Max net	5L
Qty	
Cargo Aircraft Packing Instructions	364
Cargo Aircraft Max net Qty	60L
Special Provisions	A3
Emergency Response Guidebook (ERG)	3H

### Code

### Labels



Labels

3



#### 14.4 Packing group

Packing group

II

#### 14.5 Environmental hazards

Environmental hazards

Classified as a Marine Pollutant.

#### 14.6 Special precautions for user

Special precautions for user

Not known.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available

### SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation

Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Ethanol (64-17-5), Propan-2-ol (67-63-0), Bis(2-ethylhexyl) maleate (142-16-5), Poly(oxy-1,2-ethanediyl), alpha-phosphono-omega-(octyloxy)- (31800-88-1)

Community Rolling Action Plan (CoRAP) Not listed

Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

#### National regulations

Other Not known.

#### 15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

### SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

1-16

### LEGEND

#### Hazard Pictogram(s)



GHS02



GHS07



GHS09

GHS05: GHS: Corrosion

GHS08: GHS: Health hazard

#### Hazard classification

Flam. Liq. 2 : Flammable liquid, Category 2

Skin Irrit. 2 : Skin corrosion/irritation, Category 2

Eye Dam. 1 : Serious eye damage/irritation, Category 1

Eye Irrit. 2 : Serious eye damage/irritation, Category 2

STOT SE 3 : Specific target organ toxicity — single exposure, Category 3

STOT RE 2 : Specific target organ toxicity — repeated exposure, Category 2

Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1

Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2

#### Hazard Statement(s)

H225: Highly flammable liquid and vapour.

H315: Causes skin irritation.

H318: Causes serious eye damage.

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.

#### Precautionary Statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep container tightly closed.

P241: Use explosion-proof electrical/ventilating/lighting/equipment.

P242: Use non-sparking tools.

P243: Take action to prevent static discharges.

P264: Wash hands and exposed skin thoroughly after handling.

P273: Avoid release to the environment.

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

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated

## SAFETY DATA SHEET

clothing. Rinse skin with water.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P370+P378: In case of fire: Use water spray, foam, dry powder or CO<sub>2</sub> to extinguish.  
P391: Collect spillage.  
P403+P235: Store in a well-ventilated place. Keep cool.

P501: Dispose of contents in accordance with local, state or national legislation.

### Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road  
CAS : Chemical Abstracts Service  
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  
DNEL : Derived No Effect Level  
EC : European Community  
EINECS : European Inventory of Existing Commercial Chemical Substances  
IATA : International Air Transport Association  
IBC : Intermediate Bulk Container  
ICAO : International Civil Aviation Organization  
IMDG : International Maritime Dangerous Goods  
LTEL : Long term exposure limit  
PBT : Persistent, Bioaccumulative and Toxic  
PNEC : Predicted No Effect Concentration  
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail  
STEL : Short term exposure limit  
STOT : Specific Target Organ Toxicity  
UN : United Nations  
vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for data used to compile the SDS

Regulation (EC) No. 1272/2008 (CLP)

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# **Nobo Whiteboard Marker Ink**

## **SAFETY DATA SHEET**

23-09-2020