



NOBO Whiteboard Marker Ink SAFETY DATA SHEET

Date of Issue: 01-01-2024
Date of Revision: 01-01-2024

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

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

1.1 Product identifier

Product Name	Nobo Whiteboard Marker Ink
Product code	1901029, 1901033, 1901072, 1901073, 1901077, 1902408, 1901419, 1902076, 1902077, 1902081, 1902091, 1902096, 1902162, 1902238, 1902267, 1902386, 1903777, 1903778, 1903779, 1903780, 1903783, 1903785, 1903792, 1903802, 1903810, 1903812, 1903813, 1903816, 1903859, 1904047, 1904048, 1905173, 1905174, 1905239, 1905265, 1915143, 1915144, 1915145, 1915146, 1915147, 1915149, 1915150, 1915151, 1915152, 1915153, 1915154, 1915155, 1915158, 1915161, 1915162, 1915163, 1915165, 1915166, 1915167, 1915168, 1915169, 1915170, 1915171, 1915248, 1915249, 1915250, 1915251, 1915252, 1915253, 1915254, 1915255, 1915256, 1915257, 1915369, 1915371, 1915372, 1915373, 1915374, 1915397, 1915402, 1915403, 1915408, 1915454, 1915560, 1915561, 1915562, 1915563, 1915564, 1915565, 1915601, 1915602, 1915603, 1915604, 1915605, 1915606, 1915607, 1915609, 1915611, 1915612, 1915613, 1915614, 1915615, 1915616, 1915617, 1915618, 1915619, 1915620, 1915621, 1915624, 1915625, 2104176, 2104177, 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, 1915566, 1915567, 1901920, 1915156, 1915161, 1915168, 1915370, 1915622, 1915623, 2951400, 39470019, 39470061, 39470089, 52690019, 52690061, 52690089, 70420019, 70420061, 70420089, 70430019, 70430061, 70430089, 70440019, 70440061, 70440089, 8018500, QB05142ASTD, QB05142CD, QB05442ASTD, QB05442CD, QB05742C

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

Manufacturer	Acco UK Ltd.
Company Identification	Millennium House, 65 Walton Street. Aylesbury. Bucks. HP21 7QG
Telephone	+44 (0) 844 209 8360
Fax	+44 (0) 845 603 1731
E-mail	informationeurope@acco.com
Website	www.acco.co.uk
Office hours	09:00 - 17:00
Supplier	Esselte SAS
Company Identification	9 avenue Edouard Belin 92566 Rueil-Malmaison Cedex France
Telephone	+33 (01) 49 68 13 00
E-mail	contactfrance@acco.com
Website	www.esselte.com
Office hours	09:00 - 17:00
1.4 Emergency telephone number	
Company (United Kingdom)	+44 (0) 844 209 8360 (09:00 - 17:00)
Company (France)	+33 (01) 49 68 13 00 (09:00 - 17:00)
NHS Direct	+44 111

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

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

Date of Issue: 01-01-2024
Date of Revision: 01-01-2024

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 CO₂ 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.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Ethanol	64-17-5	200-578-6 01-2119457610-43-XXXX	60-70	Flam. Liq. 2 H225 Eye Irrit. 2 H319	GHS02 GHS07
Propan-2-ol	67-63-0	200-661-7 01-2119457558-25-XXXX	10-20	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336	GHS02 GHS07
Bis(2-ethylhexyl) maleate	142-16-5	205-524-5 01-2119524002-60-XXXX	1-10	STOT RE 2 H373 Aquatic Chronic 1 H410	GHS08 GHS09
Poly(oxy-1,2-ethanediyl), alpha-phosphono-omega-(octyloxy)-	31800-88-1	688-486-6	<0.5	Skin Corr. 1 H314 Eye Dam. 1 H318	GHS05

HAZARDOUS INGREDIENT(S)	CAS No.	Specific Concentration Limit	M-factor	ATE
Ethanol	64-17-5	Eye Irrit. 2 C>= 50.00 <= 100.00		

Contains no non-classified vPvB substances.

Contains no non-classified substances with a Union workplace exposure limit.

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

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 CO₂ 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.



NOBO Whiteboard Marker Ink SAFETY DATA SHEET

Date of Issue: 01-01-2024
Date of Revision: 01-01-2024

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. Collect spillage. 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. Keep out of reach of children.

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 ³)	STEL (ppm)	STEL (mg/m ³)	Note
Ethanol	64-17-5	1000	1920			
Propan-2-ol	67-63-0	400	999	500	1250	

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

8.2 Exposure controls

8.2.1. Appropriate engineering controls

Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment

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.





NOBO Whiteboard Marker Ink SAFETY DATA SHEET

Date of Issue: 01-01-2024
Date of Revision: 01-01-2024



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

Physical state	Liquid.
Colour	Various colours.
Odour	Not known.
Melting point/freezing point	-114.5 °C
Boiling point or initial boiling point and boiling range	78.3 °C
Flammability	Not known.
Lower and upper explosion limit	Flammable Limits (Upper) (%v/v): 15 Flammable Limits (Lower) (%v/v): 3.5
Flash Point	12 °C
Auto-ignition temperature	425 °C
Decomposition Temperature	Not known.
pH	Not known.
Kinematic Viscosity	Not known.
Solubility	Solubility (Water) : Miscible Solubility (Other) : Miscible with most organic solvents.
Partition coefficient n-octanol/water (log value)	Not known.
Vapour pressure	Not known.
Density and/or relative density	Not known.
Relative vapour density	Not known.
Particle characteristics	Not applicable.

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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Ingestion	Calculation method : Not classified. Low oral toxicity.
Acute toxicity - Skin Contact	Calculation method : Not classified. Low acute toxicity.
Acute toxicity - Inhalation	Calculation method : Not classified. Low acute toxicity.
Skin corrosion/irritation	Calculation method : Not classified. Non-irritant.
Serious eye damage/irritation	Calculation method : Causes serious eye irritation. No data.
Skin sensitization data	Calculation method : Not classified. It is not a skin sensitisier.
Respiratory sensitization data	Calculation method : Not classified.
Germ cell mutagenicity	Calculation method : Not classified. There is no evidence of mutagenic potential.



NOBO Whiteboard Marker Ink SAFETY DATA SHEET

Date of Issue: 01-01-2024
Date of Revision: 01-01-2024

Carcinogenicity	Calculation method : Not classified. No evidence of carcinogenic effects.
Reproductive toxicity	Calculation method : Not classified. No evidence of reproductive effects.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : Not classified.
STOT - repeated exposure	Calculation method : Not classified.
Aspiration hazard	Calculation method : Not classified.
11.2 Information on other hazards	Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates	Toxic to aquatic life with long lasting effects.
Toxicity - Fish	No data.
Toxicity - Algae	No data.
Toxicity - Sediment Compartment	No data.
Toxicity - Terrestrial Compartment	No data.

12.2 Persistence and degradability

Part of the components are biodegradable.

12.3 Bioaccumulative potential

No information available.

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 Endocrine disrupting properties

None known.

12.7 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 or ID 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)

ADR/RID

3

ADR/RID Class

F1

ADR Classification Code

274, 601, 640D

Special Provisions

1 L

Limited Quantities

E2

Excepted Quantities

•3YE

Emergency Action Code

P001 IBC02 R001

Mixed Packing Instructions for Packages

MP19

Mixed Packing Instructions for Packages

T7

Packing Instructions for Portable Tanks

TP1 TP8 TP28

Special Provisions for Portable Tanks

LGBF

Tank Code for Tanks

FL

Vehicle for Tank Carriage

2

ADR Transport Category

D/E

Tunnel Restriction Code

S2 S20

Special Provisions for Carriage -

S2

Operation

S20

ADR HIN

33

IMDG

3

IMDG Class

274, 601, 640D

Special Provisions

1 L

Limited Quantities

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 Quantities Packing Instructions	Y341
Passenger and Cargo Aircraft Limited Quantities Max net Qty	1L
Passenger and Cargo Aircraft Packing Instructions	353
Passenger and Cargo Aircraft Max net Qty	5L
Cargo Aircraft Packing Instructions	364
Cargo Aircraft Max net Qty	60L
Special Provisions	A3
Emergency Response Guidebook (ERG) Code	3H
Labels	
Labels	



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 Maritime transport in bulk according to IMO instruments

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 (EU) N° 2019/1021 of the European Parliament and of the Council

Not listed

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

Not listed

concerning the export and import of hazardous chemicals

National regulations

Wassergefährdungsklasse (Germany)

WGK number 3 (highly hazardous to water)

15.2 Chemical Safety Assessment

Not applicable.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

1-16

LEGEND

Company Identification:

Address change

Hazard Pictogram(s)



GHS02

GHS05: GHS: Corrosion

GHS08: GHS: Health hazard



GHS07



GHS09

Hazard classification

Flam. Liq. 2 : Flammable liquid, Category 2

Skin Corr. 1 : Skin corrosion/irritation, Category 1

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.

H314: Causes severe skin burns and eye damage.

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.

P240: Ground and bond container and receiving equipment.

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 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 CO₂ 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

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE : Acute Toxicity Estimate

CAS : Chemical Abstracts Service

CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

EC : European Community

IATA : International Air Transport Association



NOBO Whiteboard Marker Ink

SAFETY DATA SHEET

Date of Issue: 01-01-2024
Date of Revision: 01-01-2024

IBC : Intermediate Bulk Container
ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods
LTEL : Long term exposure limit
PBT : Persistent, Bioaccumulative and Toxic
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 Regulation (EC) No. 1272/2008 (CLP)
data used to compile the SDS

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