



Safety Data Sheet

29 CFR 1910.1200

Version number 1.0

SDS Report

Date: Apr. 16, 2020

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Modern Teaching Aids Pty Ltd

Level 1, 122-126 Old Pittwater Road, Brookvale, NSW, Australia 2100 98 000 628 786

SGS Ref. No. : SHHL2003505634SD-SH
Sample Name : WHITEBOARD 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 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 US Regulations Relating to Labor 29 CFR 1910.1200, and is provided per attached.

Safety Data Sheet

29 CFR 1910.1200

Printing date 04/13/2020


Version number 1.0


Reviewed on 04/13/2020

1 Identification

- **Product identifier**
- **Trade name:** WHITEBOARD 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:**
Modern Teaching Aids Pty Ltd
Level 1, 122-126 Old Pittwater Road, Brookvale, NSW, Australia 2100 98 000 628 786
E-mail: sales@teaching.com.au
Phone: 1800 251 497 (Australia) , 0800 808 044 (New Zealand)
- **Further information obtainable from:** Modern Teaching Aids Pty Ltd
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- **Poisons Information Centre Contact Number**
Tel: Australia: 13 11 26 New Zealand: 0800 764 766
-

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**

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.

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- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- 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/shower.
- P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.
- 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 hazard statements refer to section 16.

· **Composition:**

57-55-6	propane-1,2-diol	20.0%
64-17-5	ethanol	20.0%
	 Flam. Liq. 2, H225	
25322-68-3	Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	20.0%
9004-96-0	Oleic acid, ethoxylated	15.0%
25168-73-4	sucrose stearate	15.0%
1333-86-4	Carbon black	5.0%
63148-65-2	Butvar B-98	5.0%

4 First-aid measures

· **Description of first aid measures**

· **General information:** 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.

Seek medical treatment.

· **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 extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

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

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- **Special protective equipment and precautions for firefighters**
- **Protective equipment:**
Mouth respiratory protective device.
Wear fully protective suit.

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 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).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

7 Handling and storage

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

8 Exposure controls/personal protection

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

57-55-6 propane-1,2-diol (20.0%)

WEEL (USA) Long-term value: 10 mg/m³

64-17-5 ethanol (20.0%)

PEL (USA) Long-term value: 1900 mg/m³, 1000 ppm

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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 Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated (20.0%)	
WEEL (USA)	Long-term value: 10 mg/m ³ (H); MW>200
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

- **Regulatory information**

WEEL (USA): Guide to Occupational Exposure Values (AIHA WEELs)

PEL (USA): Guide to Occupational Exposure Values (OSHA PELs)

REL (USA): Guide to Occupational Exposure Values (NIOSH RELs)

TLV (USA): Guide to Occupational Exposure Values (ACGIH)

- **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:**

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:**

- **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

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9 Physical and chemical properties

· General Information

· Appearance:

Form: Liquid

Color: Black

· Odor: Odorless

· Odor threshold: Not available

· pH-value: Not available

· Melting point/Melting range: Not available

· Freezing point: Not available

· Boiling point/Boiling range: Not available

· Flash point: 20-22 °C

· 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.

· Vapor 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 specification.· **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:

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

Oral	LD50	20,000 mg/kg (rat)
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Dermal	LD50	20,800 mg/kg (rabbit)
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)
9004-96-0 Oleic acid, ethoxylated		
Oral	LD50	>25,000 mg/kg (mouse)
1333-86-4 Carbon black		
Oral	LD50	15,400 mg/kg (rat)
Dermal	LD50	3,000 mg/kg (rabbit)

- **Skin corrosion/irritation:** Irritating effect possible.
- **Serious eye damage/irritation:** Irritating effect possible.
- **Respiratory or skin sensitisation:** 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.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· UN-Number	UN1170
· DOT, IMDG, IATA	
· UN proper shipping name	Ethanol mixture
· DOT	ETHANOL (ETHYL ALCOHOL) mixture
· IMDG	ETHANOL mixture
· IATA	
· Transport hazard class(es)	
· DOT	
	
· Class	3 Flammable liquids
· Label	3
· IMDG, IATA	
	
· Class	3 Flammable liquids
· Label	3
· Packing group	II
· DOT, IMDG, IATA	
· Environmental hazards	Not applicable.
· Special precautions for user	Warning: Flammable liquids
· EMS Number:	F-E,S-D
· Stowage Category	A
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· 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

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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):

57-55-6	propane-1,2-diol	ACTIVE
64-17-5	ethanol	ACTIVE
25322-68-3	Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	ACTIVE
9004-96-0	Oleic acid, ethoxylated	ACTIVE
1333-86-4	Carbon black	ACTIVE
63148-65-2	Butvar B-98	ACTIVE

· 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

· New Jersey Right-to-Know List:

57-55-6	propane-1,2-diol
64-17-5	ethanol
1333-86-4	Carbon black

· New Jersey Special Hazardous Substance List:

64-17-5	ethanol	CA, MU, TE, F3
1333-86-4	Carbon black	CA

· Pennsylvania Right-to-Know List:

57-55-6	propane-1,2-diol
64-17-5	ethanol

· Pennsylvania Special Hazardous Substance List:

None of the ingredients is listed.

· Cancerogenity 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

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16 Other information

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

· *****

*The contents and format of this SDS are in accordance with 29 CFR 1910.1200.***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 04/13/2020 / -**· 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**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**NIOSH: National Institute for Occupational Safety**OSHA: Occupational Safety & Health**Flam. Liq. 2: Flammable liquids – Category 2*

· *****

End of document