

Safety Data Sheet

No. SDS-05-PEN-03 v2 / Page 1 of 9

Safety Data Sheet according to 1907/2006/EC, Article 31

Whiteboard Markers (Mixed Colours)

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

1.1. Product identifier

Product name	: Whiteboard Markers
Product code	: 736555
UFI	: XHVS-J3DV-R20Q-JGAG
Registration number	: The ingredients of this ink meet the criteria of the Regulation 1907/2006/EN (REACH)

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

Currently no such applications are identified

Use of the substance/mixture : Dry Erase Whiteboard Ink

1.3. Details of supplier of the safety data sheet

T. I. Midwood & Co Ltd
TIMCO House
Green Lane
Wardle
Nantwich
CW6 5BJ

T. I. Midwood & Co Ltd
Avimore House
Hill Street
Monahan
Ireland

1.4. Emergency telephone number

Emergency number : 01865 407333 (24 hour service)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2, H225, Highly flammable liquid and vapour



GHS02 flame

Eye Irrit. 2, H319, Causes serious eye irritation.



GHS07

Whiteboard Markers (Mixed Colours)

Safety Data Sheet according to 1907/2006/EC, Article 31

2.2. Label elements

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

Hazard pictograms



Signal word

: Danger

Hazard statements

: H225 - Highly flammable liquid and vapour.
H319 - Causes serious eye irritation.

Precautionary statement

: P240 - Ground/bond container and receiving equipment.
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 all contaminated clothing. Rinse skin with water/shower.
P305/P351/P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 - Dispose of contents/container in accordance with local, regional, national and/or international regulations.

2.3. Other hazards

Results of PBT and vPvB assessment

PBT

: Not applicable

vPvB

: Not applicable

Section 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Chemical characterisation: Mixtures

Description

: Mixture of substances listed below with non-hazardous additions.

Dangerous components		
CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43	Ethanol ☹️ Flam. Liq. 2, H225; ☹️ Eye Irrit. 2, H319	50-100%
CAS: 107-98-2 EINECS: 203-539-1 Reg.nr.: 01-2119457435-35	1-methoxy-2-propanol ☹️ Flam. Liq. 3, H226; ☹️ STOT SE 3, H336	10-25%

Additional information

: For the wording of the listed hazard phrases refer to section 16.

Whiteboard Markers (Mixed Colours)

Safety Data Sheet according to 1907/2006/EC, Article 31

Section 4: First aid measures

4.1. Description of first aid measures

After inhalation	: Supply fresh air; consult doctor in case of complaints.
After skin contact	: Generally the product does not irritate the skin.
After eye contact	: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing	: If symptoms persist consult doctor.

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.
-------------------------------	---

5.2. Special hazards arising from the substance or mixture

No further relevant information available.

5.3. Advice for firefighters

Protective equipment	: No special measures required.
----------------------	---------------------------------

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away. Wear protective clothing.

6.2. Environmental precautions

Prevent seepage into sewage system, workpits and cellars. Dilute with plenty of water. 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). 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.

Whiteboard Markers (Mixed Colours)

Safety Data Sheet according to 1907/2006/EC, Article 31

Section 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation/exhaustion of the work station. Prevent formation of aerosols.
- Information about fire - and explosion protection : Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

7.2. Conditions for safe storage, including any incompatibilities

- Storage Requirements to be met by storerooms and receptacles : Store in a cool location.
- Information about storage in common storage facility : Not required.
- Further information about storage conditions : Keep container tightly sealed. Store in a cool, dry conditions in well sealed receptacles.
- Storage class : 3

7.3. Specific end use(s)

No further relevant information available.

Section 8: Exposure controls/personal protection

Additional information about design of technical facilities

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace	
107-98-2 1-methoxy 2-propanol (10-25%)	
IOELV	Short-term value: 568 mg/m ³ . 150 ppm Long-term value: 375 mg/m ³ . 100 ppm Skin

- Additional information : The lists valid during the making were used as a basis.

8.2. Exposure controls

- Personal protective equipment
- General protective and hygienic measures : Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with eyes. Avoid contact with eyes and skin.
- Respiratory protection : In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- Protection of hands : The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendations to the glove material can be given for the product/the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. If only a short term loading of the gloves with higher wearability for the better acceptance of the user recommended.

Whiteboard Markers (Mixed Colours)

Safety Data Sheet according to 1907/2006/EC, Article 31

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 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. Nitrile rubber, NBR.
Penetration time of glove material	: To 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

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General information

Appearance

Form	: Liquid
Colour	: According to product specification
Odour	: Product specific
Odour threshold	: Not determined

Important information on protection of health and environment, and on safety. : -

pH-value : Not determined

Change in condition

Melting point/freezing point	: Undetermined
Initial boiling point and boiling range	: 78°C

Flash point : 13°C

Flammability (solid, gas) : Not applicable

Ignition temperature : 287°C

Decomposition temperature : Not determined

Auto-ignition temperature : Product is not selfigniting.

Explosive properties : Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits

Lower	: 1.7 Vol %
Upper	: 15 Vol %

Vapour pressure at 20°C : 59 hPa

Density at 20°C : 0.9 g/cm³

Relative density : Not determined

Vapour density : Not determined

Evaporation rate : Not determined

Whiteboard Markers (Mixed Colours)

Safety Data Sheet according to 1907/2006/EC, Article 31

Solubility in/miscibility with water	: Partly miscible
Partition coefficient: n-octanol/water	: Not determined
Viscosity	
Dynamic at 20°C	: 9.5 mPas
Kinematic	: Not determined
Solvent content	
Organic solvent	: 79.1%
Solids content	: 9.9%
9.2 other information	: The physical and chemical properties given in Section 9.1 are rough data only, which are partially derived from the components data of the mixture. These data are no binding product specifications.

Section 10: Stability and reactivity

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

Thermal decomposition/conditions to be avoided : No decomposition if used according to specifications.

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 (oral)	: Based on available data, the classification criteria are not met.
Primary irritant effect	
Skin corrosion/irritation	: Based on available data, the classification criteria are not met.
Serious eye damage/irritation	: Causes serious eye irritation
Respiratory or skin sensitisation	: Based on available data, the classification criteria are not met.
CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)	
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.

Whiteboard Markers (Mixed Colours)

Safety Data Sheet according to 1907/2006/EC, Article 31

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.

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 reach ground water, water course or sewage system.

12.5. Results of PBT and vPvB assessment

PBT : Not applicable

vPvB : Not applicable

12.6. Other adverse effects

No further relevant information available.

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.

Recommendation cleansing agent : Water, if necessary together with cleansing agents.

Section 14: Transport information

14.1. UN number	
ADR, IMDG, IATA	UN1263
14.2. UN proper shipping name	
ADR	1263 Paint
IMDG, IATA	Paint
14.3. Transport hazard class(es)	
ADR	
Class	3 (F1) Flammable liquids.
Label	3

Whiteboard Markers (Mixed Colours)

Safety Data Sheet according to 1907/2006/EC, Article 31

IMDG, IATA	
Class	3 Flammable liquids.
Label	3
14.4. Packing group	
ADR, IMDG, IATA	II
14.5. Environmental hazards	
Marine pollutant	No
14.6. Special precautions for user	
Warning: Flammable liquid	
Danger code (Kemler)	33
EMS Number	F-E, S-E
Stowage Category	B
14.7. Transport in bulk according to Amex 11 of Marpol and the IBC Code	
Not applicable	
Transport/Additional information	
ADR Limited quantities (LQ) Expected quantities (EQ)	5L Code: E2 Maximum net quantity per inner packaging: 30ml Maximum net quantity per outer packaging: 500ml
Transport category Tunnel restriction code	2 D/E
IMDG Limited quantities (LQ) Expected quantities (EQ)	5L Code: E2 Maximum net quantity per inner packaging: 30ml Maximum net quantity per outer packaging: 500ml
UN "Model Regulation)	UN1263 Paint, 3, II

Section 15: Regulatory information

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I	: None of the ingredients is listed.
Seveso category	: P5c FLAMMABLE LIQUID
Qualifying quantity (tonnes) for the application of lower-tier requirements	: 5,000t
Qualifying quantity (tonnes) for the application of upper-tier requirements	: 50,000t
REGULATION (EC) No 1907/2006 ANNEX XVII	: Conditions of restriction: 3

National regulations

Technical instructions (air)

Class	Share in %
NK	50-100

Waterhazard class : Water hazard class 1 (self-assessment): slightly hazardous for water/

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

Whiteboard Markers (Mixed Colours)

Safety Data Sheet according to 1907/2006/EC, Article 31

Section 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H225	: Highly flammable liquid and vapour.
H226	: Flammable liquid and vapour.
H319	: Causes serious eye irritation.
H336	: May cause drowsiness or dizziness.

Abbreviations and acronyms

RID: Reglement international concernant le transport des marchandises dangereuses per chemin de fer (Regulations Concerning the International Transport Civil Aviation Goods by Rail)

ICAO: International Civil Aviation Organisation

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 and Labelling of Chemicals

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids - Category 2

Flam. Liq. 3: Flammable liquids - Category 3

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

STOT SE 3: Specific target organ toxicity (single exposure) - Category 3