



ACCORDING TO US CFR 1910.1200

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Product Name 98024, 98210 Sinopath Derwent Academy Markers
CAS No. Not applicable.

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

Identified Use(s) Drawing and painting.
Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Company Identification Acco UK Ltd.
Oxford House, Oxford Road,
Aylesbury, Bucks,
HP21 8SZ.
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

1.4 Emergency telephone number

Company +44 (0) 844 209 8360 (09:00 - 17:00)

2. SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

US CFR 1910.1200 Not classified as dangerous for supply/use.

2.2 Label elements

According to US CFR 1910.1200
Product Name 98024, 98210 Sinopath Derwent Academy Markers
Hazard Pictogram(s) None.
Signal Word(s) None.
Hazard Statement(s) None.
Precautionary Statement(s) None.

2.3 Other hazards

Sharp points may cause injury.

2.4 Additional Information

None.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Articles for printing and writing: 98024, 98210 Sinopath Derwent Academy Markers

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Glycerol	56-81-5	≤ 10	Not classified	
Pigments:				
Carbon black	1333-86-4	≤ 2	Not classified	

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

4. 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	Wash hands and exposed skin after use.
Eye Contact	If contact with eyes directly, flush with gently flowing fresh water thoroughly.
Ingestion	Unlikely route of exposure.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated.

4.3 Indication of any immediate medical attention and special treatment needed

No special requirements.

5. SECTION 5: FIREFIGHTING MEASURES

Non-flammable.

5.1 Extinguishing media

Suitable Extinguishing media	As appropriate for surrounding fire.
Unsuitable extinguishing media	None known.

5.2 Special hazards arising from the substance or mixture

None known.

5.3 Advice for firefighters

No special measures are required.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Marker may stain. Wear suitable protective clothing and gloves. Wash hands and exposed skin after use.

6.2 Environmental precautions

Do not release large quantities into the surface water or into drains.

6.3 Methods and material for containment and cleaning up

Collect mechanically and dispose of according to Section 13.

6.4 Reference to other sections

See Also Section 8, 13.

7. SECTION 7: HANDLING AND STORAGE

No hazard expected under normal conditions of use.

7.1 Precautions for safe handling

Ensure adequate ventilation. Wash hands and exposed skin after use.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature	Ambient.
Storage life	Indefinite.
Incompatible materials	None anticipated.

7.3 Specific end use(s)

Drawing and painting.

8. 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
Glycerol (mist) (Total Dust)	56-81-5		15			OSHA PEL Z-1
Glycerol (mist) (Respirable fraction)	56-81-5		5			OSHA PEL Z-1
Carbon black	1333-86-4		3			ACGIH TLV, A3
Carbon black	1333-86-4		3.5			OSHA PEL Z-1
Carbon black (without PAHs)	1333-86-4		3.5			NIOSH REL Z-1
Carbon black (with PAHs)	1333-86-4					NIOSH REL Z-1, Ca

Remark	Note
OSHA PEL Z-1	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) from 29 CFR 1910.1000 Z-1 Table
ACGIH TLV A3	The American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold Limit Values (TLVs®) Confirmed Animal Carcinogen with Unknown Relevance to Humans
OSHA PEL	Occupational Safety and Health (OSHA) Permissible Exposure Limits (PELs).
NIOSH REL Z-1	National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limits (RELs) from the NIOSH Pocket Guide to Chemical Hazards table Z-1: Up to 10-hour time weighted average (TWA) during a 40-hour work week
Ca	Potential occupational carcinogens. See NIOSH Appendix A http://www.cdc.gov/niosh/npg/nengapdx.html

8.2 Appropriate engineering controls

Ensure adequate ventilation.

8.3 Individual protection measures, such as personal protective equipment (PPE)



Eye Protection

Not normally required.



Skin protection

Not normally required. Marker may stain. Wear suitable protective clothing and gloves.



Respiratory protection

Normally no personal respiratory protection is necessary.



Thermal hazards

Not applicable.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Solid.
	Colour : Variant.
Odor	Odorless.
Odor threshold	Not applicable.
pH	8 @ 20 °C (Mixture)
Melting point/freezing point	Not applicable.
Initial boiling point and boiling range	100 °C (Mixture)
Flash Point	101 °C (Mixture)
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not available.
Vapor pressure	23 hPa (Mixture)
Vapor density	Not available.
Density (g/ml)	1.09 g/cm ³ (Mixture)
Relative density	Not available.
Solubility(ies)	Insoluble in water.
Partition coefficient: n-octanol/water	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition Temperature (°C)	Not applicable.
Dynamic viscosity	9 mPas (Mixture)
Kinematic Viscosity	Not applicable.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

9.2 Other information

Solvent content (Mixture)	Organic solvents: 0.7 % Water: 59.3 % Solids content: 10.7 %
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10. SECTION 10: STABILITY AND REACTIVITY

No hazard expected under normal conditions of use.

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

None known.

10.5 Incompatible materials

None anticipated.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

**11. SECTION 11: TOXICOLOGICAL INFORMATION**

This material is unlikely to present a significant health hazard under normal conditions of handling and use.

11.1 Information on toxicological effects

Acute toxicity	Low acute toxicity.
Skin corrosion/irritation	Unlikely to cause skin irritation.
Serious eye damage/irritation	Unlikely to cause eye irritation.
Skin sensitization data	It is not a skin sensitizer.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	No evidence of reproductive effects.
Lactation	Not classified.
STOT - single exposure	None anticipated.
STOT - repeated exposure	None anticipated.
Aspiration hazard	Not classified.

11.2 Other information

None.

12. SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

Low toxicity to aquatic organisms.

12.2 Persistence and Degradation

The product is unlikely to persist in the environment.

12.3 Bioaccumulative potential

The product has low potential for bioaccumulation.

12.4 Mobility in soil

The product is essentially insoluble in water.

12.5 Other adverse effects

Not known.

13. SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Dispose at suitable refuse site.

13.2 Additional Information

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

14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

14.1 UN number

Not applicable.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

**14.5 Environmental hazards**

Not classified as a Marine Pollutant.

14.6 Special precautions for user

Not applicable.

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

Not applicable.

15. SECTION 15: REGULATORY INFORMATION**15.1 US Federal Regulations**

Toxic and hazardous substances (29 CFR 1910; Subpart Z) Listed: 56-81-5, 1333-86-4

National emission standards for hazardous air pollutants (40 CFR 61.01) Not listed

SARA Title III Section 313 Not listed

TSCA (Toxic Substance Control Act) Listed: 56-81-5, 1333-86-4

CAA 602 - Ozone Depleting Substances (ODS) Not listed

15.2 US State Regulations

State Right to Know Lists

Proposition 65 (California) Listed: 1333-86-4

Minnesota Listed: 56-81-5, 1333-86-4

New Jersey Listed: 56-81-5, 1333-86-4

Pennsylvania Listed: 56-81-5, 1333-86-4

Rhode Island Listed: 56-81-5, 1333-86-4

15.3 Other

OSPAR List of Chemicals for Priority Action Not listed

OSHA (List of Highly Hazardous Chemicals, Toxics and Reactives) Not listed

NTP (National Toxicology Program) Not listed

IARC (International Agency for Research on Cancer) Listed: 1333-86-4

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16

LEGEND

Hazard Pictogram(s) None.

Hazard Statement(s) None.

Precautionary Statement(s) None.

Acronyms

CAS : Chemical Abstracts Service
LTEL : Long term exposure limit
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity



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