

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Mixture  
Product name : Derwent Academy Twin-Tip Markers - Chisel, 8CT  
Product code : 98208

#### 1.2. Recommended use and restrictions on use

No additional information available

#### 1.3. Supplier

ACCO Brands  
Four Corporate Drive  
Lake Zurich, IL  
60047

Phone: 800-222-6462

#### 1.4. Emergency telephone number

Emergency number : Rocky Mountain Poison + Drug center Phone number are (877)740-5015 (US Toll Free) and (303) 739-1110 (Outside US)

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-CA)

Flammable liquids, H225  
Category 2  
Serious eye H319  
damage/eye irritation,  
Category 2A  
Respiratory sensitisation, H334  
Category 1  
Skin sensitisation,  
Category 1 H317  
Specific target organ  
toxicity — Single H336  
exposure, Category 3,  
Narcosis

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-CA labelling

Hazard pictograms (GHS-CA)



Signal word (GHS-CA) : Danger

Hazard statements (GHS-CA) : H225 - Highly flammable liquid and vapour  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H336 - May cause drowsiness or dizziness

Precautionary statements (GHS-CA) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P261 - Avoid breathing fume, mist, spray, vapours  
P280 - Wear eye protection, protective clothing, protective gloves  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P312 - Call a POISON CENTER or doctor if you feel unwell  
EN (English)

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P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS-CA)

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
1-methoxy-2-propanol, monopropylene glycol methyl ether	(+/-)-1-methoxy-2-propanol / 1-methoxy-2-hydroxypropane / 1-Methoxy-2-propanol / 1-methoxy-2-propanol, (+/-) / 1-methoxypropan-2-ol / 1-methoxypropanol-2 / 2-methoxy-1-methylethanol / 2-propanol, 1-methoxy- / 2-Propanol, 1-methoxy- / alpha-propylene glycol 1-methyl ether / alpha-propylene glycol monomethyl ether / methoxy ether of propyleneglycol / methoxyisopropanol / methyl ether of propylene glycol / monoethyl ether of propylene glycol / monopropylene glycol methyl ether / PGME (= propylene glycol monomethyl ether) / propylene glycol methyl ether / propylene glycol monomethyl ether	(CAS-No.) 107-98-2	15 - 30	Flam. Liq. 3, H226 STOT SE 3, H336
Black		(CAS-No.) 61901-87-9	< 15	Resp. Sens. 1, H334 Skin Sens. 1, H317
colophony, rosin		(CAS-No.) 8050-09-7	5 - 15	Skin Sens. 1, H317
Bright Yellow		(CAS-No.) 6358-36-7	< 5	Eye Dam. 1, H318 Aquatic Chronic 2, H411

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms and effects (acute and delayed)

No additional information available

### 4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Unsuitable extinguishing media

No additional information available

### 5.3. Specific hazards arising from the hazardous product

No additional information available

### 5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

General measures : Avoid contact with skin and eyes.

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### 6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store in a well-ventilated place. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)		
USA - ACGIH	ACGIH TWA (ppm)	50 ppm
USA - ACGIH	ACGIH STEL (ppm)	100 ppm
USA - ACGIH	Remark (ACGIH)	Eye irr; CNS impair; A4 (Not classifiable as a Human Carcinogen: Agents which cause concern that they could be carcinogenic for humans but which cannot be assessed conclusively because of a lack of data. In vitro or animal studies do not provide indications of carcinogenicity which are sufficient to classify the agent into one of the other categories)

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Avoid all unnecessary exposure. Safety glasses. Gloves. Protective clothing.

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

Wear respiratory protection



## SECTION 9: Physical and chemical properties

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

Physical state : Liquid  
Appearance : No data available  
Colour : Mixture contains one or more component(s) which have the following colour(s):  
Light yellow to amber Colourless  
Odour : There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure.  
Mixture contains one or more component(s) which have the following odour(s):  
Resin odour Pleasant odour Sweet odour Ether-like odour Alcohol odour  
Odour threshold : No data available

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pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: -117 Ethyl Alcohol
Boiling point	: 79 °C Ethyl Alcohol
Flash point	: < 23 °C
Auto-ignition temperature	: 363 °C Ethyl Alcohol
Decomposition temperature	: > 100 °C
Flammability (solid, gas)	: Not applicable
Vapour pressure	: 5.8 kPa Ethyl Alcohol
Vapour pressure at 50 °C	: No data available
Relative density	: 0.79 Ethyl Alcohol
Relative density of saturated gas/air mixture	: 1.6 Ethyl Alcohol
Solubility	: Miscible with water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Explosive limits	: Lower explosive limit (LEL): 3.3 vol % Ethyl Alcohol Upper explosive limit (UEL): 19 vol % Ethyl Alcohol

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

#### colophony, rosin (8050-09-7)

LD50 dermal rat	> 2000 mg/kg bodyweight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)
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#### 1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)

LD50 dermal rat	> 2000 mg/kg bodyweight (Rat; Experimental value; Other)
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Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

colophony, rosin (8050-09-7)	
LC50 fish 1	< $\geq$ 1 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Brachydanio rerio; Semi-static system; Fresh water; Experimental value)
EC50 Daphnia 1	911 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)

#### 12.2. Persistence and degradability

colophony, rosin (8050-09-7)	
Persistence and degradability	Readily biodegradable in water. Very mobile in soil.
Chemical oxygen demand (COD)	2.6 g O <sub>2</sub> /g substance

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in soil. Very mobile in soil. Photodegradation in the air.
ThOD	1.95 g O <sub>2</sub> /g substance

#### 12.3. Bioaccumulative potential

colophony, rosin (8050-09-7)	
BCF other aquatic organisms 1	56.2 (BCF; BCFBAF v3.00)
Log Pow	1.9 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Log Koc	log Koc, SRC PCKOCWIN v2.0; 0.8759; QSAR
Bioaccumulative potential	Low bioaccumulation potential (BCF < 500).

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
BCF fish 1	1 (BCF)
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4).

#### 12.4. Mobility in soil

colophony, rosin (8050-09-7)	
Surface tension	0.078 N/m (20 °C)
Log Pow	1.9 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Log Koc	log Koc, SRC PCKOCWIN v2.0; 0.8759; QSAR

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
Surface tension	0.0707 N/m (20 °C; 1 g/l)

#### 12.5. Other adverse effects

GWPmix comment : No known effects from this product.

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

#### 14.1. Basic shipping description

In accordance with TDG

#### Transportation of Dangerous Goods

UN-No. (TDG) : UN1210  
Packing group : II - Medium Danger  
TDG Primary Hazard Classes : 3 - Class 3 - Flammable Liquids  
Transport document description : UN1210 PRINTING INK (flammable, with not more than 20 per cent nitrocellulose by mass if the nitrogen content of the nitrocellulose is not more than 12.6 per cent by mass ; ethanol), 3, II  
Proper Shipping Name (Transportation of Dangerous Goods) : PRINTING INK  
flammable, with not more than 20 per cent nitrocellulose by mass if the nitrogen content of the nitrocellulose is not more than 12.6 per cent by mass ; ethanol

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Hazard labels (TDG) : 3 - Flammable liquids



TDG Special Provisions : 59 - Substances that are listed by name in Schedule 1 must not be transported under this shipping name. Substances transported under this shipping name may contain not more than 20 per cent nitrocellulose if the nitrocellulose contains not more than 12.6 per cent nitrogen (by dry mass).  
142 - The following shipping names may be used to meet the requirements of Part 3 (Documentation) and Part 4 (Dangerous Goods Safety Marks) when these dangerous goods are offered for transport in the same means of containment: (a)"PAINT RELATED MATERIAL" may be used for a means of containment containing both paint and paint related material; (b)"PAINT RELATED MATERIAL, CORROSIVE, FLAMMABLE" may be used for a means of containment containing both paint, corrosive, flammable, and paint related material, corrosive, flammable; (c)"PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE" may be used for a means of containment containing both paint, flammable, corrosive, and paint related material, flammable, corrosive; and (d)"PRINTING INK RELATED MATERIAL" may be used for a means of containment containing both printing ink and printing ink related material. SOR/2014-306

Explosive Limit and Limited Quantity Index : 5 L

Excepted quantities (TDG) : E2

Passenger Carrying Road Vehicle or Passenger : 5 L

Carrying Railway Vehicle Index

### 14.2. Transport information/DOT

#### Department of Transport

DOT NA no. : UN1210  
UN-No.(DOT) : 1210  
Packing group (DOT) : II - Medium Danger  
Transport document description : UN1210 Printing ink, flammable, 3, II  
Proper Shipping Name (DOT) : Printing ink, flammable  
Contains Statement Field Selection (DOT) :  
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Division (DOT) : 3  
Hazard labels (DOT) : 3 - Flammable liquid



Dangerous for the environment : No

DOT Special Provisions (49 CFR 172.102) : 149 - When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in 173.150(b)(2) of this subchapter for inner packagings may be increased to 5 L (1.3 gallons).  
IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.  
T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)  
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / (1 + a (tr - tf))$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.  
TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F).

DOT Packaging Exceptions (49 CFR 173.xxx) : 150

DOT Packaging Non Bulk (49 CFR 173.xxx) : 173

DOT Packaging Bulk (49 CFR 173.xxx) : 242

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L

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DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
Emergency Response Guide (ERG) Number	: 129
Other information	: No supplementary information available.

### 14.3. Air and sea transport

#### IMDG

UN-No. (IMDG)	: 1210
Proper Shipping Name (IMDG)	: PRINTING INK
Transport document description (IMDG)	: UN 1210 PRINTING INK, 3, II
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: II - substances presenting medium danger

#### IATA

UN-No. (IATA)	: 1210
Proper Shipping Name (IATA)	: Printing ink
Transport document description (IATA)	: UN 1210 Printing ink, 3, II
Class (IATA)	: 3 - Flammable Liquids
Packing group (IATA)	: II - Medium Danger

## SECTION 15: Regulatory information

### 15.1. National regulations

#### colophony, rosin (8050-09-7)

Listed on the Canadian DSL (Domestic Substances List)

#### Bright Yellow (6358-36-7)

Listed on the Canadian DSL (Domestic Substances List)

#### Black (61901-87-9)

Listed on the Canadian DSL (Domestic Substances List)

### 15.2. International regulations

#### colophony, rosin (8050-09-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Bright Yellow (6358-36-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Black (61901-87-9)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

## SECTION 16: Other information

Date of issue	: 05/24/2017
Revision date	: 06/16/2017

Full text of H-statements:

H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects

SDS Canada (GHS)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*