



1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name : Markers

Quartet® Products : Quartet® Dry-Erase Markers, ReWritables® Dry-Erase Markers,
Mead® Products : Screammers® Dry-Erase Markers, Quartet Twin Tip Markers, Quartet Low
(Standard markers with internal wick) : Odor Markers, Mead Markers, Wet Erase Marker Arden Studio markers
Products comply with ASTM D4236/LHAMA

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

Identified uses : Markers for writing and drawing

1.3 Details of the supplier of the safety data sheet

Company : ACCO Brands Corporation
Four Corporate Drive
Lake Zurich, IL 60047-8997

Telephone : 800.222.6462

1.4 Emergency telephone number

Rocky Mountain Poison and Drug Center : 877.740.5015 (Toll free)
303.739.1110 (Outside US)

2. HAZARDS IDENTIFICATION

Not applicable.

This consumer product is not subject to the federal Hazard Communication Standard. It is subject to the Federal Hazardous Substances Act (FHSA) as amended by the Labeling of Hazardous Art Materials Act (LHAMA). Pursuant to LHAMA, this item has been evaluated and certified in a program of toxicological evaluation by a medical expert to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems. This item is certified by The Art and Creative Materials Institute to be labeled in accordance with the FHSA as amended by LHAMA, and ASTM D 4236. Warnings or hazards are for the bulk ink and not for the product itself under normal use and conditions.

2.1 Classification of the substance or mixture

2.2 GHS Label elements, including precautionary statements

- 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS -**
none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Not applicable

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage class (TRGS 510): Flammable liquids

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

| Component | CAS-No. | Value | Control parameters | Basis |
|-----------|---------|----------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------|
| Ethanol | 64-17-5 | TWA | 1,000 ppm | USA. ACGIH Threshold Limit Values (TLV) |
| | Remarks | Upper Respiratory Tract irritation Confirmed animal carcinogen with unknown relevance to humans | | |
| | | TWA | 1,000 ppm 1,900 mg/m ³ | USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants |
| | | The value in mg/m ³ is approximate. | | |

| | | | | |
|------------|---------|-------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------|
| | | TWA | 1,000 ppm 1,900 mg/m3 | USA. NIOSH Recommended Exposure Limits |
| 2-Propanol | 67-63-0 | TWA | 200 ppm | USA. ACGIH Threshold Limit Values (TLV) |
| | | Eye & Upper Respiratory Tract irritation Central Nervous System impairment Not classifiable as a human carcinogen | | |
| | | STEL | 400 ppm | USA. ACGIH Threshold Limit Values (TLV) |
| | | Eye & Upper Respiratory Tract irritation Central Nervous System impairment Not classifiable as a human carcinogen | | |
| | | TWA | 400 ppm 980 mg/m3 | USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000 |
| | | STEL | 500 ppm 1,225 mg/m3 | USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000 |
| | | TWA | 400 ppm 980 mg/m3 | USA. NIOSH Recommended Exposure Limits |
| | | ST | 500 ppm 1,225 mg/m3 | USA. NIOSH Recommended Exposure Limits |

Biological occupational exposure limits

| Component | CAS-No. | Parameters | Value | Biological specimen | Basis |
|------------|---------|---------------------------------|---------|---------------------|-------------------------------------------|
| 2-Propanol | 67-63-0 | Acetone | 40 mg/l | Urine | ACGIH - Biological Exposure Indices (BEI) |
| | Remarks | End of shift at end of workweek | | | |

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

impervious clothing, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Not applicable

10. STABILITY AND REACTIVITY

Not applicable

11. TOXICOLOGICAL INFORMATION

Not applicable

No data available

12. ECOLOGICAL INFORMATION

Not applicable

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION (As Marker product)

Standard ink markers with internal wick

Non-Hazardous

15. REGULATORY INFORMATION

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:

| | CAS-No. | Revision Date |
|------------|---------|---------------|
| 2-Propanol | 67-63-0 | 1987-01-01 |

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

| | CAS-No. | Revision Date |
|------------|---------|---------------|
| Ethanol | 64-17-5 | 2007-03-01 |
| 2-Propanol | 67-63-0 | 1987-01-01 |

Pennsylvania Right To Know Components

| | CAS-No. | Revision Date |
|---------------------|---------|---------------|
| Ethanol | 64-17-5 | 2007-03-01 |
| Resin and Additives | - | |
| 2-Propanol | 67-63-0 | 1987-01-01 |
| Pigments | - | |

New Jersey Right To Know Components

| | CAS-No. | Revision Date |
|---------------------|---------|---------------|
| Ethanol | 64-17-5 | 2007-03-01 |
| Resin and Additives | - | |
| 2-Propanol | 67-63-0 | 1987-01-01 |
| Pigments | - | |
| Surface Additive | - | |

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Consumer Product Labeling

The labeling for this consumer product is regulated by the U.S. Consumer Product Safety Commission, and complies with the Federal Hazardous Substances Act (FHSA) as amended by the Federal Labeling of Hazardous Art Materials Act (LHAMA)/ASTM D-4236.

The information contained in this SDS is provided for information only. Nothing in this SDS is intended to imply that this product is covered by the HCS.

Art & Creative Materials Institute, Inc. (ACMI)

ACCO Brands is a member of the Art & Creative Materials Institute, Inc. (ACMI). This product is certified by ACMI to use ACMI's AP Approved Product seal. Products bearing the AP Approved Product Seal of ACMI are certified in a program of toxicological evaluation by a medical expert to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems. This program is reviewed by ACMI's Toxicological Advisory Board. These products are certified by ACMI to be labeled in accordance with the Federal Hazardous Substances Act as amended by the Labeling of Hazardous Art Materials Act, and ASTM D 4236.

16. OTHER INFORMATION

HMIS Rating

| | |
|------------------------|---|
| Health hazard: | 2 |
| Chronic Health Hazard: | * |
| Flammability: | 3 |
| Physical Hazard | 0 |

NFPA Rating

| | |
|--------------------|---|
| Health hazard: | 2 |
| Fire Hazard: | 3 |
| Reactivity Hazard: | 0 |

Further information

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