

01-21-04

21257-0089  
- 0809

BEGIN MSDS 00227224

---

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

---

BINNEY & SMITH  
1100 CHURCH LANE  
EASTON, PA 18044  
1-800-272-9652

EMERGENCY TELEPHONE NUMBER:  
1-800-445-7067

SUBSTANCE: CRAYOLA(R) GEL-FX MARKERS

## TRADE NAMES/SYNONYMS:

CRAYOLA GEL-FX MARKERS; PRODUCT CODES/COLORS: 48-8163-5-001; 48-8163-0-074  
BLUE; 48-8163-0-088 GREEN; 48-8163-0-069 MAGENTA; 48-8163-0-040 PURPLE;  
48-8163-0-010 ROSE; 48-8163-0-072 SLATE; 48-8163-0-053 WHITE; 48-8163-0-034  
YELLOW; 00227224

PRODUCT USE: Arts and Crafts

CREATION DATE: Aug 13 2001

REVISION DATE: Aug 13 2001

---

SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

---

COMPONENT: Product has been certified as non-toxic by The Art and Creative  
Materials Institute, Inc. and conforms to ASTM D-4236 Standard Practice for  
Labeling Art Materials for Acute and Chronic Adverse Health Hazards.

CAS NUMBER: Not assigned.

EC NUMBER: Not assigned.

PERCENTAGE: 100

---

SECTION 3 HAZARDS IDENTIFICATION

---

NFPA RATINGS (SCALE 0-4): HEALTH=1 FIRE=1 REACTIVITY=0

## EMERGENCY OVERVIEW:

COLOR: various colors

PHYSICAL FORM: article containing liquid

ODOR: odorless

MAJOR HEALTH HAZARDS: No significant target effects reported.

## POTENTIAL HEALTH EFFECTS:

INHALATION:

none

SKIN CONTACT:

none

EYE CONTACT:

none

INGESTION:

none

V501

**CARCINOGEN STATUS:**

OSHA: No

NTP: No

IARC: No

---

**SECTION 4 FIRST AID MEASURES**

---

**INHALATION:** It is unlikely that emergency treatment will be required. Remove from exposure. Get medical attention, if needed.

**SKIN CONTACT:** It is unlikely that emergency treatment will be required. If adverse effects occur, wash with soap or mild detergent and large amounts of water. Get medical attention, if needed.

**EYE CONTACT:** It is unlikely that emergency treatment will be required. Wash with large amounts of water or normal saline until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately.

**INGESTION:** Contact local poison control center or physician immediately.

---

**SECTION 5 FIRE FIGHTING MEASURES**

---

**FIRE AND EXPLOSION HAZARDS:** Slight fire hazard.

**EXTINGUISHING MEDIA:** regular dry chemical, carbon dioxide, water, regular foam

**FIRE FIGHTING:** Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products.

**FLASH POINT:** 212 F (100 C) (ink)

**FLAMMABILITY CLASS (OSHA):** IIIB

---

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

---

**OCCUPATIONAL RELEASE:**

Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

---

**SECTION 7 HANDLING AND STORAGE**

---

**STORAGE:** Store and handle in accordance with all current regulations and standards. See original container for storage recommendations. Keep separated from incompatible substances.

---

**SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION**

---

**EXPOSURE LIMITS:****CRAYOLA(R) GEL-FX MARKERS:**

No occupational exposure limits established.

**VENTILATION:** Based on available information, additional ventilation is not required.

**EYE PROTECTION:** Eye protection not required under normal conditions.

**CLOTHING:** Protective clothing is not required under normal conditions.

**GLOVES:** Protective gloves are not required under normal conditions.

**RESPIRATOR:** No respirator is required under normal conditions of use.

---

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

---

**PHYSICAL STATE:** liquid

**COLOR:** various colors

**PHYSICAL FORM:** article containing liquid

**ODOR:** odorless

**BOILING POINT:** Not available

**FREEZING POINT:** Not available

**VAPOR PRESSURE:** Not available

**VAPOR DENSITY:** Not available

**SPECIFIC GRAVITY (water=1):** 1.02-1.06 (ink)

**WATER SOLUBILITY:** soluble

**PH:** Not available

**VOLATILITY:** Not available

**ODOR THRESHOLD:** Not available

**EVAPORATION RATE:** Not available

**VISCOSITY:** 2.0-7.0 cP (ink)

**COEFFICIENT OF WATER/OIL DISTRIBUTION:** Not available

---

**SECTION 10 STABILITY AND REACTIVITY**

---

**REACTIVITY:** Stable at normal temperatures and pressure.

**CONDITIONS TO AVOID:** None reported.

**INCOMPATIBILITIES:** oxidizing materials

**HAZARDOUS DECOMPOSITION:**

Thermal decomposition products: oxides of carbon

**POLYMERIZATION:** Will not polymerize.

---

**SECTION 11 TOXICOLOGICAL INFORMATION**

---

Not available

---

**SECTION 12 ECOLOGICAL INFORMATION**

---

Not available

---

**SECTION 13 DISPOSAL CONSIDERATIONS**

---

Dispose in accordance with all applicable regulations.

---

**SECTION 14 TRANSPORT INFORMATION**

---

U.S. DEPARTMENT OF TRANSPORTATION: No classification assigned.

CANADIAN TRANSPORTATION OF DANGEROUS GOODS: No classification assigned.

LAND TRANSPORT ADR/RID: No classification assigned.

AIR TRANSPORT IATA/ICAO: No classification assigned.

MARITIME TRANSPORT IMDG: No classification assigned.

---

**SECTION 15 REGULATORY INFORMATION**

---

**U.S. REGULATIONS:**

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4): Not regulated.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30):  
Not regulated.

SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40):  
Not regulated.

SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):

ACUTE: No

CHRONIC: No

FIRE: No

REACTIVE: No

SUDDEN RELEASE: No

SARA TITLE III SECTION 313 (40 CFR 372.65): Not regulated.

OSHA PROCESS SAFETY (29CFR1910.119): Not regulated.

**STATE REGULATIONS:**

California Proposition 65: Not regulated.

CANADIAN REGULATIONS:

WHMIS CLASSIFICATION: Not determined.

EUROPEAN REGULATIONS:

EC CLASSIFICATION (CALCULATED): Not determined.

NATIONAL INVENTORY STATUS:

U.S. INVENTORY (TSCA): All components of this product are in compliance.

TSCA 12(b) EXPORT NOTIFICATION: Not listed.

---

SECTION 16 OTHER INFORMATION

---

Copyright 1984-2001 MDL Information Systems, Inc. All rights reserved.