MATERIAL SAFETY DATA SHEET
PRODUCT NAME: CRAYOLA Crayons

BINNEY & SMITH INC.
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EASTON, PA 18044

TELEPHONE NOS.
EMERGENCY: 1-215-253-6271
INFORMATION: 1-800-272-9652

1. PRODUCT IDENTIFICATION

PRODUCT NAME(S): CRAYOLA Crayons

PRODUCT COLORS/CODES: 52-3008, 52-3016, 52-3024, 52-0322, 52-0064,
52-0689, 52-3280, 52-0389, 52-0391, 52-3080, 52-038D, 52-008F, 52-016F,
52-038F, 52-008F, 52-008M, 52-3108, 52-3116, 52-3124, 52-0040, 52-0041,
52-0060, 52-50008, 52-0002, 52-0096, 04-7796

2. HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS | CAS NO | OSHA PEL | TLV
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Aluminum Silicate | 1332-58-7 | 10 mg/m³ | 10 mg/m³
Hydrous Calcium Magnesium Silicate | 14807-96-6 | 2 mg/m³ | 2 mg/m³
Pigment Red 101 | 1309-37-1 | 5 mg/m³ | 5 mg/m³
Copper | 7440-50-8 | 1 mg/m³ | 1 mg/m³

3. PHYSICAL/ CHEMICAL CHARACTERISTICS

BOILING POINT: 575 - 726°F.
FREEZING POINT: 145 - 150°F.
VAPOR PRESSURE @ 20°C.: 0.01 - 1.0 mm @ 180°C.
VAPOR DENSITY (AIR=1): 5 - 9.8
EVAPORATION RATE (BUTYL ACETATE=1): Less than 0.01
SPECIFIC GRAVITY (WATER=1): 0.81 - 0.85 at 75°C.
SOLUBILITY IN WATER: Less than 0.01% @ 1 ATM and 25°C. (77°F.)
APPEARANCE AND ODOR: 64 various colors - slight paraffin (wax) odor

4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD: >365°F; ASTM D-92, Cleveland Open Cup
FLAMMABLE LIMITS IN AIR- % BY VOLUME:
UPPER: 7.0%
LOWER: 0.9%
EXTINGUISHING MEDIA: ABC Dry Chemical, CO₂ (carbon dioxide), foam, sand or sodium bicarbonate

SPECIAL FIRE FIGHTING PROCEDURES: Handle the same as any wax fire. If stored in large quantities in an enclosed area, use air-supplied rescue equipment.
UNUSUAL FIRE OR EXPLOSION HAZARDS: Do not store with strong oxidizers.

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5. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not established

ROUTES OF ENTRY:
INHALATION: Does not apply
SKIN: Does not apply
INGESTION: Possible

ACUTE OR CHRONIC HEALTH HAZARDS: None known

EFFECTS OF OVEREXPOSURE: Does not apply

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known

EMERGENCY AND FIRST AID:

EYES: Flush with plenty of water for about 15 mins. Contact a physician.
SKIN: Wash with soap and water
INGESTION: Do not induce vomiting. Contact physician or Poison Control Center.
INHALATION: Remove to fresh air.

CARCINOGENICITY: THE INGREDIENTS OF THIS PRODUCT ARE ON THE TOXIC SUBSTANCES CONTROL ACT (TSCA) INVENTORY.

6. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: None known

INCOMPATIBILITY (MATERIALS TO AVOID): Chlorinated solvents will dissolve product.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide in case of incomplete combustion.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Avoid contact with strong oxidants; such as, liquid chlorine, concentrated oxygen, sodium hyPOCHLORITE CARBONIC OR CALCIUM HYPOCHLORITE

7. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL: Recover free product. Keep product out of sewers & watercourses by diking or impounding. Advise authorities if product enters sewers or watercourses. Assure conformity with applicable governmental regulations.

WASTE DISPOSAL METHOD: In accordance with local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING OR STORING: Store at room temperature - not to exceed 105°F.
8. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required

PROTECTIVE GLOVES: None required

EYE PROTECTION: None required

OTHER PROTECTIVE EQUIPMENT: None required

VENTILATION: None required

OTHER PROTECTION: None required

9. SPECIAL INFORMATION

VOC INFORMATION:

LBS. VOC PER GAL. OF COATING LESS WATER: Not established

DATE PREPARED: 8/27/92
APPROVED BY: Phillip E. Moll

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