

Section 3 - Hazards Identification

| R-352 | | | | |
|-----------------|----|--|-----------------------|----------------------|
| Elements | | | Result (mg/kg) | Limit (mg/kg) |
| Sol. Lead | Pb | | <1 | 90 |
| Sol. Cadmium | Cd | | <1 | 75 |
| Sol. Antimony | Sb | | <1 | 60 |
| Sol. Chromium | Cr | | 8 | 60 |
| Sol. Barium | Ba | | <1 | 1000 |
| Sol. Mercury | Hg | | <1 | 60 |
| Sol. Selenium | Se | | <1 | 500 |
| Sol. Arsenic | As | | <1 | 25 |

mg/kg = Milligram per kilogram based on dry weight of tested sample
 Sol. = Soluble
 < = less than

| BN-451 | | | | |
|-----------------|----|--|-----------------------|----------------------|
| Elements | | | Result (mg/kg) | Limit (mg/kg) |
| Sol. Lead | Pb | | <1 | 90 |
| Sol. Cadmium | Cd | | <1 | 75 |
| Sol. Antimony | Sb | | <1 | 60 |
| Sol. Chromium | Cr | | 27 | 60 |
| Sol. Barium | Ba | | <1 | 1000 |
| Sol. Mercury | Hg | | <1 | 60 |
| Sol. Selenium | Se | | <1 | 500 |
| Sol. Arsenic | As | | <1 | 25 |

Wax Filler Sticks

| | | | |
|----------------------------|------------------------------|--------------------------|------------------|
| Plastic (PE: Polyethylene) | ≤ 5% | High-density; CAS#: | 9002-88-4 |
| Paraffin Wax | ≤ 50% | | |
| Pigment Powder | ≤ 15% | | |
| | RED: Organic Pigment/dye: | $C_{18}H_{16}C_1N_2O_6S$ | CAS #: 7585-41-3 |
| | YELLOW: Organic Pigment/dye: | $C_{18}H_{16}N_4O_4$ | CAS #: 2512-29-0 |
| | GREEN: Organic Pigment/dye: | (See note below) | CAS #: 1328-53-6 |

Note: The formula for Green was not legible; will be provided upon request

| | |
|-------------------|-------|
| Talcum Powder | ≤ 20% |
| Calcium Carbonate | ≤ 5% |
| Stearic Acid | ≤ 7 |

Markers - Ink (Solution)

| | | |
|-----------------|-------|------------------------|
| Acrylic Resin | ≤ 15% | (See Formula - Page 1) |
| Synthetic Resin | ≤ 35% | (See Formula - Page 2) |
| Ethanol | ≤ 55% | |
| Butyl Acetate | ≤ 10% | |

Pigment Dye: AZO (Yellow, Red, Green) ≤ 5%

151 Yellow Solvent C.I. = 79
 252 Yellow Solvent C.I. = 82
 352 Red Solvent C.I. = 122
 451/452 Brown Solvent: Mixture of above

Markers - Tip

Wool
 Polyester
 Acrylic Acid

Markers - Body

Plastic (PP: Polypropylene)

None of the identified ingredients are listed by the State of California as causing cancer or reproductive toxicity.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Can cause minor irritation, tearing, and reddening.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: May cause skin irritation

EFFECTS OF OVEREXPOSURE - INHALATION: None known

EFFECTS OF OVEREXPOSURE - INGESTION : Mildly irritating to mouth, throat, and stomach.
Can cause abdominal discomfort.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS - None known

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY CONTACT: None known

PRIMARY ROUTE(S) OF ENTRY: Skin Contact

Section 4 - First Aid Measures

EYE CONTACT: Flush with large quantities of water for at least 15 minutes until irritation subsides.
Contact physician

SKIN CONTACT: Wash with soap and water

INHALATION: Remove to fresh air. Contact physician immediately.

INGESTION: DO NOT INDUCE VOMITING. Contact Physician or Regional Poison Control Center immediately.

COMMENTS: Call Medical Emergency if any irritation or complications arise from any of the above routes of entry.

Section 5 - Fire Fighting Measures

Flash Point: N/A Lower Explosive Limit: N/A
Upper Explosive Limit: N/A

Autoignition Temperature: N.E.

Extinguishing Media: N/A

Unusual Fire and Explosion Hazard: None Known

Section 6 - Accidental Release Measures

SPILL OR LEAK PROCEDURES: Scrape up dried material and place into containers.

Section 7 - Handling and Storage

HANDLING INFORMATION: KEEP OUT OF REACH OF CHILDREN. Keep articles away from excessive heating and freezing.

STORAGE INFORMATION: Keep containers tightly closed when not in use.
Keep containers from excessive heat and freezing. Do not store at temperatures above 120 degrees F.

OTHER PRECAUTIONS: No Information

Section 8 - Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Normal room ventilation
RESPIRATORY PROTECTION: Not required
EYE PROTECTION: Not required
SKIN PROTECTION: Not required
OTHER PROTECTIVE EQUIPMENT: None
HYGIENIC PRACTICES: Wash contaminated clothing before reuse.

Section 9 - Physical and Chemical Properties

BOILING RANGE: 240 - 260 F VAPOR DENSITY: N/A
ODOR: Pleasant Odor
APPEARANCE: Colored Solid EVAPORATION RATE: N/A
SOLUBILITY IN H₂O: Negligible
VAPOR PRESSURE: N/A
PHYSICAL STATE: Solid Stick

Section 10 - Stability and Reactivity

CONDITIONS TO AVOID: Avoid high temperatures
INCOMPATIBILITY: None known
HAZARDOUS DECOMPOSITION PRODUCTS: Does not apply
HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.
STABILITY: This product is stable under normal storage conditions.

Section 11 - Toxicological Properties

No product or component toxicological information is available.

Section 12 - Ecological Information

No information

Section 13 - Disposal Considerations

Dispose according to Federal/State/Local Standards. This product does not meet the definition of a hazardous waste according to U.S. EPA Hazardous Waste Management Regulations, 40 CFR, Section 261. State and Local regulations/restrictions are complex and may differ from Federal regulations. Responsibility for proper waste is with the owner of the waste.

EPA Waste Code: If discarded (40 CFR 261): None

Section 14 - Transportation Information

DOT Proper Shipping Name: Not regulated by D.O.T.
DOT Hazard Class: None
DOT UN/NA Number: None

Section 15 - Regulatory Information

U.S. FEDERAL REGULATIONS: As follows -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

_____ CHEMICAL NAME _____
No SARA Section 313 components exist in this product

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

_____ CHEMICAL NAME _____
No information is available

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in the product:

_____ CHEMICAL NAME _____
Wax

PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

_____ CHEMICAL NAME _____
Wax

CALIFORNIA PROPOSITION 65:

Warning: The chemical(s) noted below and contained in this product, are known to the State of California to cause cancer, birth defects, or other reproductive harm:

_____ CHEMICAL NAME _____
No Proposition 65 components exist in this product

INTERNATIONAL REGULATIONS: AS FOLLOWS -

Canadian WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

Canadian WHMIS Class: No information available.

Section 16 - Other Information

HMIS RATINGS: Health: **0** Flammability: **0** Reactivity: **0**

Previous MSDS Revision Date: None