

# MATERIAL SAFETY DATA SHEET

## First Print, Inc.

Complies with Federal OSHA Hazard Communication Standard 29CFR 1910 and  
California and Pennsylvania Right to Know Acts.

### SECTION 1 PRODUCT IDENTIFICATION AND USE

|                                   |  |
|-----------------------------------|--|
| Product name:                     | Blockout Pen Green (plastic barrel)                                    |
| Manufacturer's name:              | First Print, Inc.  |
| Manufacturer's address:           | 109 Cambridge Street, Winchester, MA 01890                             |
| Telephone number for information: | 1-800-483-5824   |
| Telephone number for emergencies: | CHEMTREC 1-800-424-9300 (US)<br>INTERNATIONAL 1-202-483-7616 (Collect) |
| DOT Class:                        | *NA (limited quantity exemption 29 CFR 173.150)                        |
| UN numbers:                       | NA   |

### Section 2: HAZARDOUS INGREDIENTS

| Hazardous components | CAS#    | % (by weight) | OSHA PEL     | ACGIH TLV   |
|----------------------|---------|---------------|--------------|-------------|
| ACETONE              | 67-64-1 | 50%           | TWA 1000 ppm | TWA 750 ppm |
| METHANOL             | 67-56-1 | 17%           | TWA 200 ppm  | TWA 200 ppm |

Pens contain 10 ml of screen filler. Methanol content is approx. 1.7 ml / pen

This chemical is subject to the reporting requirements of SARA TITLE III, SECTION 313 of The Emergency Planning and Community Right To Know Act of 1986 and of 40 CFR 372

### SECTION 3: PHYSICAL / CHEMICAL CHARACTERISTICS

|  |  |  |     |
|--|--|--|-----|
| Physical state, appearance and odor:             | Green viscous liquid with strong solvent odor. |  |     |
| Boiling point:                                   | 56.48 °C                                       | Melting point:                         | NA  |
| Vapour pressure (mmHG): 400mm @39 °C for Acetone |  | Vapor density (air=1):                 | >1  |
| Evaporation rate (butylacetate=1):               | >1   | % Volatile:                            | 83% |
| Density/Specific gravity:                        | >1   | %VOC (less water):                     | 66% |
| Solubility in water:                             | miscible                                       | pH:                                    | ND  |
| Oxidizing Properties:                            | None   | Coefficient of oil/water distribution: | ND  |

### SECTION 4: FIRE AND EXPLOSION HAZARD DATA

|                                   |   |
|-----------------------------------|---|
| Flammable:                        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Flash point                       | 0°F for acetone (CC)  |
| Upper explosive limit (UEL):      | ND  |
| Lower explosive limit (LEL):      | ND  |
| Autoignition temperature:         | 869°F for acetone   |
| Explosion data:                   | ND  |
| Hazardous decomposition products: | Toxic combustion gas may be formed                                  |
| Extinguishing media:              | Co2, dry chemical, alcohol foam.                                    |

\*NA=Not applicable, ND=No data

**SECTION 5: REACTIVITY DATA**

Stable:  Yes  No

Hazardous Polymerization:  Yes  No

Incompatibility, materials to avoid: Oxidizing materials

Hazardous decomposition products: None when used under normal conditions

**SECTION 6: HEALTH HAZARD DATA / TOXICOLOGICAL PROPERTIES**

Health hazard Acute: Narcotic in high concentrations

Health hazard Chronic: Long term overexposure may cause permanent injury to central nervous system. Ingestion of methanol may cause blindness.

Medical conditions generally aggravated by exposure: Dermatitis

Routes of exposure:

- Inhalation: Deliberately concentrating and inhaling contents can lead to unconscious and/or death.
- Skin: Prolonged contact with skin may cause irritation. Methanol can be absorbed through through the skin.
- Eye: Severe eye irritant.
- Ingestion: May be harmful or fatal if swallowed.

Carcinogenicity:  Yes  No (NTP)  Yes  No (IARC)  Yes  No (OSHA)

LD50 ND

LC50 ND

**SECTION 7: EMERGENCY AND FIRST AID PROCEDURES**

Skin: Wash with soap and water. Consult physician if irritation occurs and persists.

Eyes: Wash immediately with water. Consult physician at once.

Ingestion: Get immediate medical aid. Do not induce vomiting.

Inhalation: Remove victim from exposure. Consult physician at once. Administer artificial respiration if breathing is stopped.

**SECTION 8: CONTROLS AND PREVENTATIVE MEASURES**

- Ventilation required:** Provide adequate ventilation. Do not use where vapors can accumulate.
- Respiratory protection:** Not required under normal use.
- Protective gloves:** Not required.
- Eye protection:** Not required.
- Hygienic / work practices:** Use in accordance with good industrial hygienic work practices. KEEP PEN AWAY FROM ALL SOURCES OF HEAT. KEEP AWAY FROM CHILDREN.
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**SECTION 9: SPILL PROCEDURES AND WASTE DISPOSAL**

- Methods of disposal:** Disposal should be performed in accordance with all current local, state and federal regulations.
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**SECTION 10: PRECAUTIONS FOR SAFE STORAGE AND HANDLING**

- Storage requirements:** Use and store this product at room temperatures. Keep away from all sources of heat. Keep out of direct sunlight. Do not keep pen in clothing pockets. Prolonged exposure to temperatures above 100°F may result in pen bursting.
- Handling procedures:** Recap and store pen upright after use. KEEP AWAY FROM CHILDREN. FOR PROFESSIONAL USE ONLY.