

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability Unstable Conditions HEAT, OPEN FLAME, DIRECT SUNLIGHT, WATER, ACIDS, STRONG OXIDIZING OR
Stable to Avoid

Incompatibility (Materials to Avoid) **REDUCING AGENTS.**

METHYLENE CHLORIDE REACTS VIOLENTLY WITH Li, Na K.

Hazardous Decomposition Products **IF HEATED TO DECOMPOSITION WILL EMIT TOXIC FUMES OF PHOSGENE.**

Hazardous Polymerization May Occur Conditions to Avoid **NNR**
Will Not Occur

SECTION 6 - HEALTH HAZARDS

1. Acute (Immediate) **ANESTHESIA, SKIN & EYE IRRITATION** 2. Chronic (Delayed Effect) **BLOOD & CENTRAL NERVOUS SYSTEM EFFECTS BY INHALATION**

Signs and Symptoms of Exposure **HEADACHE, DIZZINESS, DROWSINESS, SKIN & OR EYE IRRITATION**

Medical Conditions Generally Aggravated by Exposure **DERMATITIS, RESPIRATORY AILMENTS, POTENTIAL REPRODUCTIVE HAZARD**

Chemical Listed as Carcinogen or Potential Carcinogen National Toxicology Program Yes No I.A.R.C. Monographs Yes No OSHA Yes No

Emergency and First Aid Procedures **GET IMMEDIATE MEDICAL ATTENTION IF SWALLOWED OR CONTACT WITH EYES OCCURS OR IF UNCONSCIOUS.**

ROUTES OF ENTRY

- 1. Inhalation **REMOVE TO FRESH AIR, AID IN BREATHING IF NECESSARY.**
- 2. Eyes **IMMEDIATELY IRRIGATE WITH FLOWING WATER FOR AT LEAST 15 MINUTES.**
- 3. Skin **WASH THOROUGHLY WITH SOAP AND WATER.**
- 4. Ingestion **DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.**

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage **KEEP AWAY FROM CHILDREN. KEEP AWAY FROM HEAT AND FLAME. STORE IN A COOL DRY PLACE. KEEP OUT OF DIRECT SUNLIGHT. DO NOT KEEP PEN IN CLOTHING POCKETS.**

Other Precautions **CAUTION! TAMPERING WITH RUBBER BULB ASSEMBLY MAY RESULT IN LIQUID EJECTING OUT REAR OF PEN.**

Steps to be Taken in Case Material is Released or Spilled **REMOVE PERSONNEL. VENTILATE AREA. CONTAIN SPILL WITH ABSORBENT MATERIAL**

Waste Disposal Methods (Consult federal, state, and local regulations) **DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL AND FEDERAL REGULATIONS.**

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type) **NNR**

Ventilation Local Exhaust Mechanical (General) **NNR** Special **NNR** Other **NNR**

Protective Gloves **NNR** Eye Protection **GOGGLES**

Other Protective Clothing or Equipment **NNR**

Work/Hygienic Practices **AVOID BREATHING OF VAPORS AND CONTACT WITH SKIN. WASH HANDS AFTER USE. USE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE PRACTICES.**

IMPORTANT
Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate.
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Material Safety Data Sheet

BLOCKOUT PEN GREEN

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910. 1200. Standard must be consulted for specific requirements.

QUICK IDENTIFIER
Common Name: (Used on label and list)

HMIS

HEALTH: 2 FLAMMABILITY: 1
REACTIVITY: 0 PERSONAL PROTECTION: A

SECTION 1 -

Manufacturer's Name **FIRST PRINT, INC.**
Address **300 SALEM STREET** Emergency Telephone No. **CHEMTREC 1-800-424-9300**
City, State, ZIP **WOBURN, MA 01801** Other Information Calls **(781) 938-8087**
FAX (781) 938-7993
Signature of Person Responsible for Preparation (Optional) Date Prepared **10/25/97**

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s))	% (optional)	OSHA PEL	ACGIH TLV	Other Exposure Limits	CAS NO.
METHYLENE CHLORIDE	80%	25 ppm*	25 ppm		75-09-2
ETHANOL ALCOHOL	15%	1000 ppm	1000 ppm		64-17-5

*PRINCIPLE HAZARDS ASSOCIATED WITH BLOCKOUT APPLY ONLY TO SOLVENTS
EXPOSURES EXCEEDING 8 HOUR TWA LIMITS ARE NOT EXPECTED DURING NORMAL USE.

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point **39°C** Specific Gravity (H₂O = 1) **1.3** Vapor Pressure (mm Hg) **360 @ 22°C**
Vapor Density (Air = 1) **3.0**
Solubility in Water **MINIMAL** Reactivity in Water **NONE** V.O.C. **95% BY VOLUME**
Appearance and Odor **VISCOUS GREEN LIQUID** Melting Point **NA**
STRONG SOLVENT ODOR

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point **FOR ETHANOL 55.6° F. C. 13°** Method Used **TTC** Flammable Limits in Air % by Volume **LEL Lower NE UEL Upper NE**
Auto-Ignition Temperature **793°F FOR ETHANOL** Extinguisher Media **CO₂, DRY CHEMICAL**
Special Fire Fighting Procedures **WEAR SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING**

Unusual Fire and Explosion Hazards **INTENSE HEAT MAY CAUSE PEN TO BURST**

CAUTION! REMOVING OR TAMPERING WITH RUBBER BULB ASSEMBLY AFTER PEN HAS BEEN EXPOSED TO HEAT MAY RESULT IN LIQUID EJECTING OUT THE REAR OF PEN.

NA=NOT APPLICABLE NL=NOT LISTED NNR=NOT NORMALLY REQUIRED NE=NOT ESTABLISHED