

Material Safety Data Sheet  
May be used to comply with OSHA's Hazard Communication  
Standard, 29 CFR 1910.1200  
Standard must be consulted for specific requirements

U.S. Department of Labor  
Occupational Safety and Health Administration  
(Non Mandatory Form)  
Form Approved OMB No. 1218-0072

**PRODUCT IDENTITY: (As used on Label and List)****2" Square Ink Cartridge (5007G Black)**

DATE PREPARED: January 1, 2012

**IDENTITY/FIRM INFORMATION**

GREYDON, INC.  
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EMERGENCY - CHEMTRECH  
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**HAZARDOUS INGREDIENTS/IDENTIFICATION**

Hazardous Components	%	Cas#	ACGIH (TLV)
Butyl Glycol	15-40	111-76-2	25PPM
Ethanol	15-40	64-17-15	1000PPM
Methanol	1-5	67-56-1	200PPM

**SIGNAL WORD****DANGER!****HAZARDOUS STATEMENT**

MAY CAUSE IRRITATION OF EYES, NOSE, THROAT AND  
RESPIRATORY TRACT.  
MAY CAUSE BLINDNESS AND CNS DEPRESSION.  
DIRECT CONTACT WITH VAPOR, MIST OR LIQUID MAY  
CAUSE DEFATTING, DRYING AND CRACKING OF THE SKIN.

**CHILDREN STATEMENT****KEEP OUT OF REACH OF CHILDREN!**

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

BOILING RANGE: >100 deg . C  
VAPOR PRESSURE: (mm Hg) Not reported  
VAPOR DENSITY: ( Air = 1) Not reported  
SPECIFIC GRAVITY: ( H<sub>2</sub>O = 1) > 1.0  
pH: not reported  
MELTING POINT: not reported  
EVAPORATION RATE: not reported  
SOLUBILITY IN WATER: Complete  
MATERIAL V.O.C.:  
% VOLATILE BY VOLUME: 60  
APPEARANCE AND ODOR: Colored liquid, mild odor of wood alcohol.

**SECTION IV - FIRE AND EXPLOSION DATA**

FLASH POINT: 43 deg. C                      METHOD USED: Closed Cup  
FLAMABLE LIMITS: In air by volume - Lower: 2.0% Upper: 36%  
EXTINGUISHING MEDIA: Alcohol Foam, CO<sub>2</sub>, Dry Chemical,  
SPECIAL FIREFIGHTING PROCEDURES:  
    Avoid use of water except as a fog.  
UNUSUAL FIRE AND EXPLOSION HAZARDS:  
    None reported

**SECTION V - REACTIVITY DATA**

STABILITY: Stable  
CONDITIONS TO AVOID: Heat, sparks and other sources of ignition.  
INCOMPATIBILITY: (Materials to avoid) Oxidizing agents  
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None reported  
HAZARDOUS POLYMERIZATION: Will not occur.

**SECTION VI - HEALTH HAZARD DATA****ROUTES OF ENTRY:**

Inhalation: Vapors and mists could be inhaled.  
Skin: Liquid, vapors & mists can come in contact with skin.  
Eyes: Liquid and Vapor can come in contact with eyes.  
Ingestion: Possible.

CARCINOGENICITY: None currently known.

NTP: Not listed  
IARC MONOGRAPHS: Not listed  
OSHA REGULATED: Not regulated  
ACGIH: Not listed

**SECTION VI - HEALTH HAZARD DATA - CONT'D****MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

None listed

**EFFECTS OF EXPOSURE:**

**INHALATION:** May cause irritation of eyes, nose, throat and respiratory tract. May cause blindness and CNS depression. (see "Other Health Effects")

**EYES:** Conjunctivitis, irritation and inflammation of mucous membranes may occur. (see "Other Health Effects")

**SKIN:** Direct contact with vapor, mist or liquid may cause defatting, drying and cracking of the skin. Prolonged and repeated exposures may cause dermatitis.

**SKIN ABSORPTION:** May cause CNS depression and blindness. (see "Other Health Effects")

**INGESTION:** May cause irritation of the mucous membranes of mouth and throat. May cause CNS depression and blindness. Severe overexposure may cause metabolic acidosis. Chronic ingestion of large amounts of ethanol may cause liver damage.

**OTHER HEALTH EFFECTS:** Causes CNS depression characterized by headache, dizziness, drowsiness, nausea, vomiting, abdominal pain and loss of coordination. Severe overexposures may lead to coma and possible death due to respiratory failure. Mild blurring of vision to complete blindness may occur, including changes in color perception, conjunctivitis and photophobia. Symptoms usually develop 12-18 hours after exposure. Chronic exposure by contact or inhalation can result in kidney, liver, blood or bone marrow damage.

**EFFECTS OF REPEATED OVEREXPOSURE:**

Same as stated in "Effects of Exposure" above.

**EMERGENCY AND FIRST AID PROCEDURES:**

**INHALATION:** Remove to fresh air. Assist breathing if required. Seek medical attention if adverse symptoms develop.

**EYES:** Flush immediately with water for 15 minutes. Seek medical attention if irritation persists.

**SKIN:** Wash thoroughly with mild soap and water.

**INGESTION:** Drink water to dilute, DO NOT induce vomiting. Consult a physician or poison control center immediately.

**NOTE TO PHYSICIAN:** Prevent aspiration of liquid as chemical pneumonitis can occur as a result of aspiration.

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Eliminate heat, sparks and other ignition sources. Provide area with adequate ventilation. May be flushed with water. All local, provincial, state and federal regulations should be observed.

**WASTE DISPOSAL METHOD:**

Dispose of in accordance with federal, provincial, state and local regulations on chemical waste disposal.

**HAZARDOUS WASTE 40 CFR 261:** NO

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE (CON'D)**

HAZARDOUS WASTE NUMBER: NONE

REPORTABLE QUANTITY: N/A

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**

Keep containers closed when not in use and keep away from fire hazards or open flame. Good ventilation and proper static electricity precautions when transferring contents. Use spark resistant tools.

**OTHER PRECAUTIONS:** Hazardous Products Act labeling regulations apply when products containing one percent w/v or more of methyl alcohol are packaged as Consumer products.

**SECTION VIII - CONTROL MEASURES**

**RESPIRATORY PROTECTION:**

To protect against severe exposure following a spill, use approved organic vapor cartridge respirator or air pack.

**VENTILATION:**

Local exhaust preferable, spark proof mechanical also feasible. Preferably use material in a covered container.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

**SKIN PROTECTION:** Use chemically resistant gloves and apron.

**EYE PROTECTIVE:** Chemical safety goggles.

**OTHER:** Eye fountain and safety shower.

**WORK/HYGIENIC PRACTICES:**

Wash hands before eating, drinking or smoking. Avoid smoking in work areas.

**FEDERAL EPA**

**SUPERFUND AMENDMENTS AND REAUTHORISATION ACT OF 1986 (SARA) TITLE III**  
**SECTION 311 AND 312:** Not listed

**STATE RIGHT TO KNOW:** Not listed

**OTHER REGULATORY INFORMATION**

**NOTE:** The opinions expressed are those of qualified persons within Greydon Inc. We believe that the information contained is accurate and current as of the date of the Material Safety Data Sheet. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of Greydon Inc., it is the user's obligation to determine the conditions for their safe use of this product.