

BLACK

MATERIAL SAFETY DATA SHEET

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PRODUCT NAME: BLACK  
PRODUCT CODE: LG-37687

HMS CODES: H F R P  
2 2 0 B

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME

ADDRESS : 4035 W. Kinzie Street  
CITY/STATE : CHICAGO, IL  
ZIP CODE : 60624  
EMERGENCY PHONE : (800) 255-3924  
INFORMATION PHONE : (773) 826-0200

DATE PRINTED : 12/14/99  
NAME OF PREPARER : Cudner & O'Connor

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

| REPORTABLE COMPONENTS  | CAS NUMBER | VAPOR PRESSURE<br>mm Hg @ TEMP | WEIGHT<br>PERCENT |
|--|------------|--------------------------------|-------------------|
| MINERAL SPIRITS<br>OSHA: PEL 100ppm, ACGIH: TLV 100ppm                       | 8052-41-3  | 2 68F                          | 40 - 45           |
| CARBON BLACK<br>NA   | 1333-84-4  | N/A N/A                        | 10.79             |
| ROSIN<br>OSHA: PEL N/E, ACGIH: TLV N/E                                       | MIXTURE    | .001 68F                       | 05 - 10           |
| PETROLEUM HYDROCARBON 100<br>OSHA: PEL 50 ppm, ACGIH: TLV 50 ppm             | 64742-95-6 | 4 68F                          | 05 - 10           |
| * 1,2,4 TRIMETHYLBENZENE<br>OSHA: PEL 25ppm, ACGIH: TLV 25ppm                | 95-63-6    | 9 25C                          | 05 - 10           |
| SYNTHETIC AMORPHOUS SILICA<br>OSHA: PEL 6mg/M3, ACGIH: TLV 10mg/M3 (As Dust) | MIXTURE    | N/A N/A                        | 00 - 05           |
| DI(2-ETHYLNEXYL) PHTHALATE<br>OSHA: PEL 5 mg/M3, ACGIH: TLV 5mg/M3           | 117-81-7   | N/A N/A                        | 0.81              |

\* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

WARNING: DETECTABLE AMOUNTS OF A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM MAY BE PRESENT IN THIS PRODUCT.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 278.6F - 724F  
VOLATILE WEIGHT: 53.88g  
VAPOR DENSITY: HEAVIER THAN AIR  
MATERIAL V.O.C.: 4.51 lb/gal  
APPEARANCE AND ODOR: Characteristic Solvent Odor  
SPECIFIC GRAVITY (H2O=1): 1.00  
VOLATILE VOLUME: 66.97g  
EVAPORATION RATE: SLOWER THAN ETHER  
SOLUBILITY IN WATER: Non Soluble

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 80F  
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: .3  
METHOD USED: TCC  
UPPER: 13.3

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG, OTHER

SPECIAL FIREFIGHTING PROCEDURES:

Self-containing breathing apparatus (SCBA) should be worn to avoid inhalation of concentrated vapors. Water should not be used except as fog to keep nearby containers cool. Flames released on burning may be toxic and dangerous.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Jan. 03 2000 1:17PM P07

PHONE No. : 561 7313143

From : SCRATCH-ART CO.

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M A T E R I A L   S A F E T Y   D A T A   S H E E T

Handle as flammable liquid. Vapors form an explosive mixture in air between the upper and lower explosive limits which can be ignited by many sources such as pilot lights, open flames, electrical motors and switches.

===== SECTION V - REACTIVITY DATA =====

**STABILITY:** STABLE

**CONDITIONS TO AVOID:**

Excessive heat, poor ventilation, corrosive atmospheres, excessive aging, ignition sources, sparks and open flame.

**INCOMPATIBILITY (MATERIALS TO AVOID):**

Alkaline materials, strong acids and oxidizing materials.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:**

Carbon monoxide, carbon dioxide, oxides of nitrogen, and possibly acrolein.

**HAZARDOUS POLYMERIZATION:** Not anticipated during normal printing and storage conditions.

===== SECTION VI - HEALTH HAZARD DATA =====

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Inhalation: Dizziness, breathing difficulty, headaches & loss of coordination.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Eye contact: Severe irritation, tearing, redness and blurred vision.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Skin contact: Can dry and defat skin causing cracks, irritation, and dermatitis.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Ingestion: Can cause gastrointestinal irritation, vomiting, nausea, and diarrhea. Aspiration of material into lungs may cause chemical pneumonitis which can be fatal.

**HEALTH HAZARDS (ACUTE AND CHRONIC):**

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. If lead compounds and inorganic lead are present it is classified as a (GROUP 2B) carcinogen by IARC. Repeated and prolonged overexposure to lead by ingestion may cause nausea, digestive disorders, abdominal cramps and insomnia as well as blood, nervous, urinary and birth defects. Lead exposure is not expected when using this product as intended. Chromium and certain Chromium compounds are included in the NTP and IARC list of carcinogens.

**CARCINOGENICITY:** NTP CARCINOGEN: Yes IARC MONOGRAPHS: Yes OSHA REGULATED: No  
No Information Available.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

Pregnant women and persons with pre-existing health disorders should consult their physician before using this product. Repeated and prolonged overexposure and/or individual sensitivity may increase the potential for and degree of adverse health effects.

**EMERGENCY AND FIRST AID PROCEDURES:**

Inhalation overexposure: Move person to fresh air. If breathing stops, apply artificial respiration and seek immediate medical attention. Eye contact: Flush with large quantities of water for 15 minutes. Skin contact: Wash thoroughly with soap and water and see a physician. Ingestion: Do not induce vomiting, can cause chemical pneumonitis and pulmonary edema. Contact physician immediately.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

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

Remove all sources of ignition. Ventilate area and avoid breathing vapor. Contain release and remove with inert absorbent. Use non-

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sparkling tools to place material in appropriate container for disposal.

**WASTE DISPOSAL METHOD:**

Dispose of in accordance with local, county, state, provincial and federal regulations. Empty containers may retain hazardous properties. Empty containers should be disposed of in an environmentally safe manner in accordance with applicable regulations.

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

Use non-sparking utensils when handling this material. Avoid hot metal surfaces. Use in cool, well-ventilated areas. Keep containers closed when not in use. Keep away from excessive heat and open flames.

**OTHER PRECAUTIONS:**

Smoking in area where this material is used should be strictly prohibited. Tools used with this material should be made from aluminum, brass or copper. Plastic utensils should not be used. NOTE: This information is accurate to the best knowledge of Duxner & O'Connor Co., but is furnished without any expressed or implied warranties.

===== SECTION VIII - CONTROL MEASURES =====

**RESPIRATORY PROTECTION:**

When spraying this material use a NIOSH approved cartridge respirator or gasmask suitable to keep airborne mists and vapor concentrations below the timeweighted threshold limit values. When used in poorly ventilated and confined spaces, use an appropriate half mask or full face NIOSH approved respirator.

**VENTILATION:**

General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below TLV. Ventilation equipment must be explosion proof.

**PROTECTIVE GLOVES:**

Use impermeable chemical handling gloves for skin protection.

**EYE PROTECTION:**

Use chemical safety glasses, goggles, and faceshields for eye protection.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

Use impermeable aprons and protective clothing whenever possible to prevent skin contact.

**WORK/HYGIENIC PRACTICES:**

Wash with soap and water before eating, smoking or using toilet facilities. Separately wash or discard clothing and footwear before reuse. Never try to remove ink from the skin by using solvent or thinner. Remove contaminated clothing to prevent prolonged contact.

===== SECTION IX - DISCLAIMER =====

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any federal or state laws.