MATERIAL SAFETY DATA SHEET FOR: BRITE-MARK BLACK

PRODUCT IDENTIFICATION:
PRODUCT NAME: BRITE-MARK BLACK
CHEMICAL FAMILY: SOLVENT BASED INK
DOT SHIPPING NAME: UN 2867
DO HAZARD CLASS: COMBUSTIBLE LIQUID B3
MANUFACTURER'S NAME: VRS MARKING
MANUFACTURER'S PHONE NUMBER: 800-782-6790

Hazardous ingredients: Carbon Black, Hydrocarbon Resin

THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET REFERS TO INKS USED IN PENS AND MARKERS, HOWEVER, IT APPLIES TO THESE INKS IN BULK. THE INKS ARE CONTAINED IN CAPILLARY OR VALVE RESERVOIR AND WILL NOT SPILL OR LEAK UNDER NORMAL CONDITIONS.

INGREDIENT: AROMATIC PETROLEUM SOVENT
CAS REG. NUM.: 64742-95-6
AMOUNT: 68.00
PERCENT: 100
THRESHOLD LIMIT VALUE: 100 PPM/8 HRS PEL

INGREDIENT: CARBON BLACK
CAS REG. NUM.: 1333-86-4
AMOUNT: 5.00
PERCENT: 3.5 MG*

INGREDIENT: HYDROCARBON RESIN
CAS REG. NUM.: PROPRIETARY
AMOUNT: 15.00
PERCENT: 10 MG/M3 *

*VALUE APPLIES TO FREE DUST, NOT AS BOUND IN A PAINT/INK MATRIX

PHYSICAL DATA

BOILING POINT: LOW 315 F, HIGH 346 F
VAPOR PRESSURE: 10.3 @ 100 F
VAPOR DENSITY: 4.3
SOLUBILITY IN WATER: NIL
APPEARANCE AND ODOR: THIN BLACK LIQUID WITH AROMATIC ODOR

PRODUCT IDENTIFICATION

FLASH POINT (TEST METHOD): 116 F T.C.C.
LEL: 1%
UEL: 7%

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER SPRAY
SPECIAL PROEEDURES: NNR
UNUSUAL HAZARDS: NA

HEALTH HAZARD DATA

LISTED AS POSSIBLE CARCINOGEN - NTP: IARC: OSHA:
IF YES EXPLAIN:

SYMPTOMS OF OVEREXPOSURE: HEADACHE, DIZZINESS, NAUSEA, ANESTHESIA, COUGHING, EYE THROAT & SKIN IRRITATION.
EFFECTS OF OVEREXPOSURE: SLIGHT TO SEVERE IRRITATION TO EYES AND MUCOUS MEMBRANES OF NOSE AND THROAT. DERMATITIS. AFFECTS CENTRAL NERVOUS SYSTEM.
EMERGENCY FIRST AID: INHALATION; SEEK FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. SKIN CONTACT; WASH WITH SOAP & WATER. EYES: WASH WITH COPIOUS WATER, IF IRRITATION CONTINUES SEE DOCTOR. INGESTION; CALL PHYSICIAN.

REACTIVITY DATA

http://www.vrsmarking.com/msds/brightmark.txt

3/8/2005
STABILITY: STABLE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: HEAT, OPEN FLAME AND SPARKS
INCOMPATABILITY: DO NOT MIX WITH STRONG OXIDANTS
HAZARDOUS DECOMPOSITION OF PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE, AND UNIDENTIFIED ORGANIC COMBUSTION PRODUCTS

ENVIRONMENTAL PROTECTION PROCEDURES

SPILL RESPONSE: REMOVE ALL IGNITION SOURCES, VENTILATE AREA. USE ABSORBENT MATERIAL TO CLEAN UP SPILL.
DISPOSAL METHOD: DISPOSE WASTE IN ACCORDANCE TO LOCAL AND FEDERAL REGULATIONS.

EMPLOYEE PROTECTION INFORMATION

PROTECTIVE GEAR:
ADDITIONAL MEASURES: KEEP AWAY FROM HEAT, FIRE AND STRONG OXIDANTS. STORE IN COOL PLACE (ROOM TEMPERATURE) USE ADEQUATE VENTILATION
SPECIAL PRECAUTIONS: NA