

MATERIAL SAFETY DATA SHEET FOR: BRITE-MARK BLACK

PRODUCT IDENTIFICATION:

PRODUCT NAME: ~~BRITE-MARK BLACK~~
 CHEMICAL FAMILY: SOLVENT BASE INK
 DOT SHIPPING NAME: UN 2867
 DO HAZARD CLASS: COMBUSTIBLE LIQUID B3

HMS HEALTH: 2 FLAMIBITLITY: 2
 REACTIVITY: 0 PERSPROT:
 MSDS NUMBER: BM BLACK
 DATE REV/ISSUED 4/1/92

manuf: VRS MARKING
 567 Camino Mercado Ste A

Ph 800-782-6790 Fr 800-
 805-481-9787 743-3135

HAZARDOUS INGREDIENTS: Arroyo Grande CA 93420

THE INFORMATION ON THIS MATERIAL SAFETY DAYA 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	CAS REG. NUM.	PERCENT	THRESHOLD LIMIT VALUE
AROMATIC PETROLEUM SOVENT	64742-95-6	68.00	100 PPM/8HRS PEL
CARBON BLACK	1333-86-4	5.00	3.5 MG*
HYDROCARBON RESIN	PROPRIETARY	15.00	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
 APPERARANCE AND ODOR: THIN BLACK LIQUID
 WITH AROMATIC ODOR

SPECIFIC GRAVITY: >1.0
 VISCOSITY: 15 SEC, #4 FORD CUP
 % VOLATILE BY VOLUME: CA 55
 EVAPORATION RATE: SLOWER THAN ETHER
 VOLATILE ORG. COMP.:

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FLASH POINT (TEST METHOD): 116 F T.C.C. LEL: 1% UEL: 7%
 EXTINGUISHING MEDIA; FOAM, CO2, DRY CHEMICAL, WATER SPRAAY
 SPECIAL PROEDURES: 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 THROUT & 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 FREASH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING SKIN CONTACT; WASH WITH SOAP & WATER. EYES: WASH WITH COPIOUS WATER, IF IRRITAION CONTUNUES SEE DOCTOR. INGESTION; CALL PHYSICIAN.

REACTIVITY DATA

STABILITY: STABLE

HAZARDOUS POLYMERIZATION; WILL NOT OCCUR

CONDITIONS TO AVOID: HEAT, OPEN FLAME AND SPARKS

INCOMPATIBILITY: 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