

MATERIAL SAFETY DATA SHEET

PRODUCT NAME DYE OIL BASED INK(BALL POINT PEN INK)

SECTION 1 SUPPLIER INFORMATION

COMMON NAME DYE OIL BASED INK
CHEMICAL NAME N/A
FORMULA/CAS N/A
SUPPLIER ZEBRA CO.,LTD.
ADDRESS 2-9 HIGASHI-GOKENNTYO SHINJYUKU-KU
TOKYO JAPAN
EMERGENCY PHONE
JAPAN 03(3268)1834

SECTION 2 PHYSICAL/CHEMICAL CHARACTERISTIC

BOILING POINT GREATER THAN 200°C
SPECIFIC GRAVITY 1.10-1.20
MELTING POINT NOT ESTABLISHED
VAPOR PRESSURE NOT ESTABLISHED
VAPOR DENSITY NOT ESTABLISHED
SOLUBILITY/WATER NEGLIGIBLE

SECTION 3 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT 130°C
AUTO IGNITION NOT ESTABLISHED
LEL NOT ESTABLISHED
UEL NOT ESTABLISHED

EXTINGUISHING MEDIA

DRY CHEMICAL, ALCOHOL FOAM, CO2

SPECIAL FIRE FIGHTING PROCEDURES

NONE KNOWN

UNUSUAL FIRE FIGHTING PROCEDURES

NONE KNOWN

SECTION 4 REACTIVE DATA

STABILITY PRODUCT IS STABLE
AVIOD NONE

INCOMPATIBILITY(MATERIALS TO AVOID)

STRONG OXIDIZING AGENTS

HAZAROUS DECOMPOSITION OR BY-PRODUCTS

BURNING MAY CAUSE CARBON MONOXIDE OR CARBON DIOXIDE OR
OTHER TOXIC ORGANIC COMPOUNDS.

POLYMERIZATION POLYMERIZATION WILL NOT OCCUR
AVOID NONE

SECTION 5	HEALTH HAZARD DATA
------------------	---------------------------

EMERGENCY AND FIRST AID PROCEDURES

INHALATION	REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION AS NEEDED
EYES	IMMEDIATELY FLUSH WITH WATER CONTINUOUSLY FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION AS NEEDED.
SKIN	WASH WITH SOAP AND WATER. SEEK MEDICAL ATTENTION AS NEEDED FOR HYPERSENSITIVITY.
INGESTION	DO NOT INDUCE VOMITING. CALL PHYSICIAN AND SEEK MEDICAL ATTENTION PROMPTLY.

SECTION 6	PRECAUTIONS FOR SAFE HANDLING ATTENTION AND USE
------------------	--

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

SOAK UP SPILL WITH INERT MATERIAL SUCH AS; VERMICULITE, DRY CLAY
ABSORBENT OR CHEMSORB. WIPE UP SMALL SPILLS WITH A CLOTH OR
TOWEL. PREVENT RUN-OFF FROM ENTERING DRAINS, SEWERS OR RIVERS.

WASTE DISPOSAL

WASTE DISPOSAL SHOULD BE IN ACCORDANCE WITH EXISTING
REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

STORE IN COOL, DRY AREA. AVOID FREEZING, SPARKS AND OPEN
FRAMES. KEEP CONTAINER CLOSED WHEN NOT IN USE.

OTHER PRECAUTIONS

WEAR SAFETY GOGGLES AT ALL TIMES WHEN USING THIS LIQUID
TO AVOID THE POSSIBILITY OF SPLASHING IN THE EYES.

SECTION 7	CONTROL MEASURES
------------------	-------------------------

VENTILATION

LOCAL EXHAUST	AS NEEDED
SPECIAL EXHAUST	NONE
MECHANICAL EXHAUST	NONE

OTHER PROTECTION

GLOVES	CHEMICAL RESISTANT
EYE PROTECTION	CHEMICAL SAFETY GOGGLES

CLOTHING

IMPERMEABLE APRON TO PREVENT THE STAINING OF CLOTHES.

WORK/HYGIENE PRACTICES

ALWAYS WASH THOROUGHLY AFTER HANDLING PRODUCT AND BEFORE EATING,
DRINKING, SMOKING OR USING THE RESTROOM.