

SECTION 1:  
MANUFACTURER

MATERIAL SAFETY DATA SHEET  
SPECIALTY INK CO., INC.  
20 DUNTON AVE.  
PO DRAWER R  
DEER PARK, NY 11729  
EMERGENCY PHONE 516-586-3666  
FAX NUMBER 516-586-3874

PAGE 1

INK NAME: MARK II INK

DATE PREPARED  
08/16/93

HEALTH: 2  
FLAMMABILITY: 2  
REACTIVITY: 0  
PERSONAL PROTECTION: B

CODE: 0=MINIMAL  
1=SLIGHT  
2=MODERATE  
3=SERIOUS  
4=SEVERE

SECTION 2: HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	ACGIH-TLV	OSHA-PEL	CAS NO
METHYL CELLOSOLVE*	37.00	5 PPM	25 PPM	109-86-4
DIACETONE ALCOHOL	25.00	50 PPM	50 PPM	123-42-2
ETHYL ALCOHOL	18.00	1000 PPM	1000 PPM	64-17-5

\* = THIS CHEMICAL IS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372.

THIS PRODUCT IS IN COMPLIANCE WITH THE EPA TSCA INVENTORY.

SECTION 3: PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING POINT: 256 F  
MELTING POINT: -121 F  
VAPOR DENSITY: 2.62  
SPECIFIC GRAVITY: .9663  
REACTIVITY IN WATER: NONE  
SOLUBILITY IN WATER: INSOLUBLE  
AUTO IGNITION: 545 F  
VAPOR PRESSURE: 6 MM HG  
APPEARANCE & ODOR: MOBILE LIQUID, MILD ODOR  
APPEARANCE & ODOR: VOC: 47.60 GRAMS/LITER  
LEL/UEL %: 2.8 15.1  
FLASH POINT: 102 F  
METHOD: CLOSED CUP

SECTION 4: FIRE & EXPLOSION DATA

EXTINGUISHING MEDIA: CARBON DIOXIDE  
EXTINGUISHING MEDIA: DRY CHEMICAL  
EXTINGUISHING MEDIA: ALCOHOL FOAM  
EXTINGUISHING MEDIA: UNIVERSAL-TYPE FOAM  
EXTINGUISHING MEDIA: WATERSPRAY  
SPECIAL FIRE PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS  
SPECIAL FIRE PROCEDURES: WEAR PROTECTIVE CLOTHING AND EQUIPMENT  
SPECIAL FIRE PROCEDURES: USE WATERSPRAY TO COOL EXPOSED EQUIPMENT  
SPECIAL FIRE PROCEDURES: USE WATERSPRAY TO PROTECT PERSONNEL  
UNUSUAL HAZARDS: WEAR SUITABLE EYE PROTECTION TO PREVENT  
UNUSUAL HAZARDS: EYE CONTACT.

SECTION 5: REACTIVITY DATA

## SECTION 5: REACTIVITY DATA

STABLE, Y=YES, N=NO : Y

CONDITIONS TO AVOID: HEAT, SPARKS AND OPEN FLAME

INCOMPATIBILITY: STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION: BURNING WILL PRODUCE CO2 AND PROBABLY CO

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NONE

## SECTION 6: HEALTH HAZARDS

ACUTE: HEADACHE, NAUSEA, VOMITING

CHRONIC: SKIN AND EYE IRRITANT

CHRONIC: KIDNEY INJURY FROM SWALLOWING

SIGNS & SYMPTOMS OF EXPOSURE: HEADACHE, DIZZINESS, DROWSINESS

SIGNS & SYMPTOMS OF EXPOSURE: FATIGUE, NAUSEA, VOMITING

SIGNS & SYMPTOMS OF EXPOSURE: LOSS OF COORDINATION

SIGNS & SYMPTOMS OF EXPOSURE: LOSS OF APPETITE, TREMORS

MEDICAL CONDITIONS AGGRAVATED: IN LABORATORY INHALATION STUDIES WITH

MEDICAL CONDITIONS AGGRAVATED: ANIMALS, METHYL CELLOSOLVE HAS CAUSED

MEDICAL CONDITIONS AGGRAVATED: BIRTH DEFECTS IN FEMALES & REPRODUCTIVE

MEDICAL CONDITIONS AGGRAVATED: PROBLEMS IN MALES; NO HUMAN RESULTS CITED

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: \*\*\*

NATIONAL TOXICOLOGY PROGRAM, Y=YES, N=NO: N

IARC MONOGRAPHS, Y=YES, N=NO: N

OSHA, Y=YES, N=NO: N

FIRST AID FOR INHALATION: REMOVE TO FRESH AIR IF OVERCOME BY VAPOR

FIRST AID FOR EYES: IRRIGATE WITH CLEAN WATER FOR 15 MINUTES

FIRST AID FOR SKIN: WASH WITH SOAP & WATER; CHANGE CLOTHING

FIRST AID FOR INGESTION: GIVE TWO GLASSES OF WARM WATER

FIRST AID FOR INGESTION: INDUCE VOMITING; GET MEDICAL ATTENTION

ROUTES OF ENTRY FOR INHALATION: AVOID PROLONGED BREATHING OF VAPORS

ROUTES OF ENTRY FOR EYES: AVOID ALL CONTACT WITH THE EYES

ROUTES OF ENTRY FOR SKIN: AVOID REPEATED OR PROLONGED SKIN CONTACT

ROUTES OF ENTRY FOR INGESTION: DO NOT TAKE INTERNALLY

## SECTION 7: SPECIAL PRECAUTIONS &amp; SPILL/LEAK PROCEDURES

HANDLING & STORAGE: USE ONLY WITH ADEQUATE VENTILATION

HANDLING & STORAGE: KEEP CONTAINER CLOSED WHEN NOT IN USE

HANDLING & STORAGE: KEEP AWAY FROM HEAT AND OPEN FLAME

HANDLING & STORAGE: AVOID PROLONGED BREATHING OF VAPOR

STEPS IF SPILLED: REMOVE SOURCES OF IGNITION; VENTILATE

STEPS IF SPILLED: CONTAIN & COVER SPILL WITH AN ABSORBENT

STEPS IF SPILLED: COLLECT & DISPOSE IN CHEMICAL WASTE DRUM

STEPS IF SPILLED: DO NOT ALLOW SPILL TO ENTER WATERCOURSES

WASTE DISPOSAL: INCINERATE IN A CHEMICAL FURNACE

WASTE DISPOSAL: MUST CONFORM TO LOCAL, STATE & FEDERAL REGULATIONS

## SECTION 8: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: GENERAL ROOM VENTILATION IS SATISFACTORY

VENTILATION: PROVIDE ADEQUATE CROSS AIR VENTILATION

LOCAL EXHAUST: PREFERABLE

MCHANICAL: ACCEPTABLE

SPECIAL: NIOSH APPROVED ORGANIC VAPOR RESPIRATOR

PROTECTIVE GLOVES: CHEMICAL RESISTANT

EYE PROTECTION: SPLASH GLASSES

OTHER PROTECTION: EYEWASH STATION

WORK/HYGENIC PRACTICES: THIS PRODUCT SHOULD NOT BE USED BY PREGNANT WOMEN.

## SECTION 8: SPECIAL PROTECTION INFORMATION

## SPECIAL MESSAGE SECTION

THE HAZARDS LISTED ON THIS MSDS ARE TAKEN FROM THE MSDS FOR EACH OF THE INGREDIENTS IN THIS MIXTURE. IN MOST CASES, THE MAXIMUM FORM OF HAZARD IS REPRESENTED HERE. THE TLV'S REPRESENT THE CONDITIONS UNDER WHICH IT IS BELIEVED THAT NEARLY ALL WORKERS MAY BE REPEATEDLY EXPOSED DAY AFTER DAY WITHOUT ADVERSE EFFECT. IT MUST BE REMEMBERED THAT EACH INDIVIDUAL REACTS DIFFERENTLY AND SOME MAY EXPERIENCE DISCOMFORT WHILE OTHERS DO NOT. THIS MSDS IS PRESENTED SO THAT EACH INDIVIDUAL WILL HAVE THE INFORMATION TO DEAL SAFELY WITH THE USE OF THIS PRODUCT. ALL MATERIALS TSCA LISTED.

## DISCLAIMER SECTION

## DISCLAIMER OF LIABILITY:

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PREPARED BY: ALLEN WERWA, Safety Director 03/03/94