MATERIAL SAFETY DATA SHEET

11 NOV 2006

MSDS ID# 46-33 IPMAB MSDS

PRODUCT NAME: ALCOHOL BASED PERMANENT MARKER INK

PART #: IPMAB-BLK46-33-A1 IPMAB-BLU46-33-C1 IPMAB-BRN46-33-G

> IPMAB-GRN46-33-D3 IPMAB-ORG46-33-F IPMAB-ORG46-33-F1 IPMAB-PUR46-33-H IPMAB-PUR46-33-H1 IPMAB-RED46-33-B1

IPMAB-YLW46-33-E1

SECTION I SUPPLIER INFORMATION

ALCOHOL BASED PERMANENT MARKER INK COMMON NAME:

CHEMICAL NAME: N/AFORMULA/CAS: N/A

SUPPLIER: NATIONAL INK LLC

10870 HARTLEY ROAD, SUITE A ADDRESS:

CITY, STATE, ZIP: SANTEE, CA 92071

US: (800)255-3924 INT'L: (813)248-0585

DATE ISSUED: 10-01-2004 DATE REVISED: 11-11-2006

SECTION II INGREDIENT INFORMATION

INGREDIENT CAS # PERCENT BY WEIGHT

WEIGHT: 30-45% CAS#: 71-23-8 N-PROPYL ALCOHOL

PEL-OSHA: 200PPM TLV-ACGIH: 200PPM

CAS#: 64-17-5 ETHANOL

WEIGHT: 30-40%

PEL-OSHA: 1000PPM TLV-ACGIH: 1000PPM

METHANOL CAS#: 67-56-1 WEIGHT: 1-2%

PEL-OSHA: 1000PPM TLV-ACGIH: 1000PPM

CAS#: 872-50-4 N-METHYL-2-PYRROLIDONE WEIGHT: 0-3%

***********************INGREDIENT HAZARD STATEMENT**************

WARNING: THIS PRODUCT IS IDENTIFIED AS A HAZARDOUS CHEMICAL UNDER THE OSHA HAZARDOUS COMMUNICATIONS STANDARD, (29 CFR 1910.1200) DUE TO THE PRESENCE OF N-PROPANOL CITED ABOVE.

THIS PRODUCT IS REPORTABLE UNDER THE S.A.R.A. ACT OF 1986, TITLE III, SEC. 313 (40 CFR PART 372) DUE THE PRESENCE OF 2-PYRROLIDINONE, 1-METHYL.

THIS PRODUCT DOES NOT CONTAIN ANY KNOWN CHEMICAL REPORTABLE UNDER THE CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT OF 1986. (CA PROP 65).

ALL INGREDIENTS MEET TSCA REQUIREMENTS

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS BOILING POINT : 207°F SPECIFIC GRAVITY (H20 = 1) : .840

: NOT ESTABLISHED MELTING POINT

VAPOR PRESSURE (mm HG) : APPROX. 15 @ 68°F

: APPROX. 2.10 VAPOR DENSITY (AIR = 1) EVAPORATION RATE (BUTYL ACETATE=1): APPROX. 1.3 SOLUBILITY/WATER : COMPLETE

LIQUID WITH SLIGHT ALCOHOLIC ODOR

46-33-B1 BLACK 46-33-A1 RED BLUE 46-33-C1 ORANGE 46-33-D3 46-33-E1 46-33-F/F1 GREEN YELLOW

BROWN 46-33-G PURPLE 46-33-H/H1

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT : APPROX. 74°F (23°C) TCC

AUTO IGNITION : APPROX. 824°F

: 2.2% LEL : 14% UEL

FLAMMABLE: 3 HEALTH: 1 REACTIVITY: 0 SPECIAL: 0

DRY CHEMICAL, ALCOHOL FOAM, CO2

WARNING: FLAMMABLE

FIRE FIGHTERS SHOULD WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

COOL FIRE EXPOSED CONTAINERS WITH WATER.

CONTAINERS EXPOSED TO INTENSE HEAT FROM FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP WHICH COULD RESULT IN CONTAINER RUPTURE.

SECTION V REACTIVITY DATA

STABILITY: PRODUCT IS STABLE

AVOID NONE

STRONG OXIDIZING AGENTS.

COMBUSTION MAY PRODUCE CARBON MONOXIDE AND/OR OTHER UNIDENTIFIED

POTENTIALLY TOXIC FUMES.

POLYMERIZATION: POLYMERIZATION WILL NOT OCCUR

AVOID : NONE

SECTION VI HEALTH HAZARD DATA

INHALATION : YES SKIN : YES INGESTION : YES EYES : YES

CONTACT PERSON : DR. BEN FABIAN

TECHNICAL DIRECTOR

NTP: NO IARC: NO OSHA: NO

*******MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE************
SKIN CONTACT MAY AGGREVATE EXISITING DERMATITIS. BREATHING VAPOR MAY
AGGREVATE ASTHMA.

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. TREAT FOR THE

PRESENCE OF INGREDIENT(S) CITED IN SECTION II.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

DOT CLASSIFICATION: FLAMMABLE LIQUID

****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.

******PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE********
STORE IN COOL, DRY AREA. AVOID FREEZING, SPARKS AND OPEN FLAMES. KEEP CONTAINER CLOSED WHEN NOT IN USE.

SECTION VIII CONTROL MEASURES

LOCAL EXHAUST : AS NEEDED

SPECIAL EXHAUST : NONE MECHANICAL EXHAUST : NONE

GLOVES : CHEMICAL RESISTANT

EYE PROTECTION : CHEMICAL SAFETY GOGGLES

IMPERMEABLE APRON TO PREVENT THE STAINING OF CLOTHES.

DRINKING, SMOKING OR USING THE RESTROOM.

THIS IS THE END OF THE MSDS ID # 46-33 IPMAB MSDS