

21884-XXXX

Precision Pens

MATERIAL SAFETY DATA SHEET

30 JUN 2005

MSDS ID# ALCOHOL BASED PERMANENT MARKER INK
 PRODUCT NAME: ALCOHOL BASED PERMANENT MARKER INK
 PART #: 23-13 SERIES

SECTION I SUPPLIER INFORMATION	
COMMON NAME:	ALCOHOL BASED PERMANENT MARKER INK
CHEMICAL NAME:	N/A
FORMULA/CAS:	N/A

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

 DATE ISSUED: 07-20-00 DATE ENTERED: 04-21-99
 DATE REVISED: 06-30-05

SECTION II INGREDIENT INFORMATION	
N-PROPYL ALCOHOL	CAS#: 71-23-8 %: 70
PEL-OSHA: 200PPM	TLV-ACGIH: 200PPM
COLORANT	CAS#: 11099-03-9 %: 10
PEL-OSHA: NOT ESTABLISHED	TLV-ACGIH: NOT ESTABLISHED
COLORANT	CAS#: 111559-76-3 %: 10
PEL-OSHA: NOT ESTABLISHED	TLV-ACGIH: NOT ESTABLISHED
RESIN	CAS#: 65997-05-9 %: 5
PEL-OSHA: NOT ESTABLISHED	TLV-ACGIH: NOT ESTABLISHED
M-PYROL	CAS#: 672-50-4 %: 5
PEL-OSHA: NOT ESTABLISHED	TLV-ACGIH: NOT ESTABLISHED

*****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 NOT REPORTABLE UNDER THE S.A.R.A. ACT OF 1986, TITLE III, SEC. 313 (40 CFR PART 372).

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 (H2O = 1) : .840
 MELTING POINT : NOT ESTABLISHED
 VAPOR PRESSURE (mm HG) : APPROX. 15 @ 68°F
 VAPOR DENSITY (AIR = 1) : APPROX. 2.10
 EVAPORATION RATE (BUTYL ACETATE=1) : APPROX. 1.3
 SOLUBILITY/WATER : COMPLETE

*****APPEARANCE AND ODOR*****

SLIGHT ALCOHOLIC ODOR.

COUNTRY GREEN	23-13-A	COUNTRY GREEN	23-13-A1
CHRISTMAS GREEN	23-13-B	CHRISTMAS GREEN	23-13-B1
COUNTRY BLUE	23-13-C	COUNTRY BLUE	23-13-C1
BOTTLE GREEN	23-13-D	BOTTLE GREEN	23-13-D1
TEAL	23-13-E	LIGHT CHRISTMAS GRN	23-13-F
LIGHT COUNTRY BLU	23-13-G		

*****ADDITIONAL INFORMATION*****

SECTION IV	FIRE AND EXPLCSION HAZARD DATA
------------	--------------------------------

FLASH POINT : APPROX. 74°F (23°C) TCC
 AUTO IGNITION : APPROX. 824°F
 LEL : 2.2%
 UEL : 14%

*****NFPA HAZARD CLASSIFICATION*****

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

*****EXTINGUISHING MEDIA*****
 DRY CHEMICAL, ALCOHOL FOAM, CO2

*****SPECIAL FIRE FIGHTING PROCEDURES*****

WARNING: FLAMMABLE
 FIRE FIGHTERS SHOULD WEAR APPROPRIATE PERSONAL PROTECTIVE
 EQUIPMENT. COOL FIRE EXPOSED CONTAINERS WITH WATER.

*****UNUSUAL FIRE FIGHTING PROCEDURES*****
 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

*****INCOMPATIBILITY (MATERIALS TO AVOID)*****
 STRONG OXIDIZING AGENTS.

*****HAZARDOUS DECOMPOSITION OR BY-PRODUCTS*****
 COMBUSTION MAY PRODUCE CARBON MONOXIDE AND/OR OTHER UNIDENTIFIED
 POTENTIALLY TOXIC FUMES.

POLYMERIZATION: POLYMERIZATION WILL NOT OCCUR

AVOID : NONE

SECTION VI	HEALTH HAZARD DATA
------------	--------------------

*****ROUTES OF ENTRY*****

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

*****ADDITIONAL INFORMATION*****

CONTACT PERSON : LUIS CHAVEZ
 R&D MANAGER

*****CARCINOGENICITY*****

NTP: NO IARC: NO OSHA: NO

*****ACUTE AND CHRONIC HEALTH HAZARDS*****
 IF SWALLOWED MAY CAUSE NAUSEA, VOMITING, ABDOMINAL DISCOMFORT OR
 DIARRHEA.

*****SIGNS AND SYMPTOMS OF EXPOSURE*****
 INK MAY CAUSE EYE IRRITATION. INK MAY CAUSE SKIN IRRITATION OR
 DERMATITIS. PROLONGED CONTACT WITH THE SKIN MAY CAUSE DEFATTING
 AND DRYING.

*****MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE*****
 SKIN CONTACT MAY AGGRAVATE EXISTING DERMATITIS. BREATHING VAPOR
 MAY AGGRAVATE ASTHMA.

*****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. TREAT FOR THE
 PRESENCE OF INGREDIENT(S) CITED IN SECTION II.