

161

M A T E R I A L S A F E T Y D A T A S H E E T
FOR PRINTING INK AND RELATED MATERIALS

Date of Prep.: 6/26/91

 Supercedes: 6/1/90

 Prepared by: W.R. McMILLEN

H.M.I.S RATINGS	
Minimal----	0
Slight----	1
Moderate---	2
Serious----	3
Severe-----	4

HEALTH	1
FLAMMABILITY	3
REACTIVITY	0

S E C T I O N I -- PRODUCT IDENTIFICATION AND USE

Manufacturer's Name: DIAGRAPH CORPORATION Emergency Telephone #: 618-997-3321

 Street address: P.O. BOX 520 City/St/Zip: HERRIN, ILLINOIS, U.S.A 62948

 Product Class: MARKER Product Identification: 0968500

 Trade Name: GP-X WHITE MARKER

S E C T I O N II -- HAZARDOUS INGREDIENTS

Ingredient CAS #	Hazard Data:
1.XYLENE. CAS # 1330-20-7	%by wt. 20-40%, TLV 100 PPM LD50 - ORL RAT, 4300 Mg/Kg LC50 - IHL RAT, 6700 PPM/4H
2.PROPYLENE GLYCOL METHYL ETHER CAS # 107-98-2	%by wt. 0-20%, TLV 100 PPM LD50 - ORL RBT, 8000 Mg/Kg LC50 - IHL GPG, 15000 PPM/7H
3.ETHYL BENZENE CAS # 100-41-4	%by wt. 0-20%, TLV 100 PPM LD50 - ORL RAT, 3500 Mg/Kg LC50 - IHL RAT, 4000 PPM/4H

** NOTES **

THIS PRODUCT CONTAINS NO CARCINOGENS OR REPRODUCTIVE TOXIC CHEMICALS AS LISTED BY NTP, IARC, OR OSHA. THIS PRODUCT CONTAINS NO HALOGENS OR SULFUR COMPONENTS.
 XYLENE AND ETHYL BENZENE ARE LISTED ON SARA TITLE III, SECTION 313 TOXIC CHEMICAL LIST.

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SECTION III -- PHYSICAL DATA

Boiling pt. (F/C) : 230 F / 109 C

Odor: SOLVENT

Freezing pt. (F/C): UNKNOWN

pH: UNKNOWN

Evap. rate: vs. Butyl SLOWER

Acetate (fast/slow):

Percent Volatile Wt.: 42%

Vapor Density (H/L): HIGHER vs. air

Appearance: WHITE LIQUID INK

Vapor Pressure: UNKNOWN (mm Hg)

Specific Gravity: 1.272

Liquid Density: HEAVIER vs. water

Coeff. Water/ UNKNOWN

Oil Distribution:

SECTION IV -- FIRE & EXPLOSION DATA

Can hazardous polymerization occur? NO Flammability (Y/N): YES
If yes, under what conditions: A VAPOR ACCUMULATION WILL FLASH AND OR EXPLODE IF IGNITED

Means of Extinction: Foam - X
Alcohol Foam - CO2 - X
Dry Chemical - X Water Fog -
Other -

Explosion Sensitive to impact: NO

Classification: DOT: FLAMMABLE
OSHA: FLAMMABLE IB

Autoignition temp: UNKNOWN

Special Firefighting Procedures:
A STRAIGHT STREAM OF WATER COULD SPREAD FIRE

Flashpoint (F/C) 70 F / 21 C
(Closed Cup Method)

Flammable Limit % by volume
Upper : UNKNOWN Lower : 1.0

Hazardous Combustion Products:
CO2, CO, HYDROCARBONS

Sensitivity to Static YES
Discharge:

SECTION V -- HEALTH HAZARD DATA

Primary Route of Entry:
Dermal - X Eye Contact - X Inhalation - X Ingestion -

Effects of exposure to product:
Skin: MAY CAUSE DERMATITIS AND IRRITATION
Eye: MAY CAUSE REDNESS, BLURRED VISION, IRRITATION, DIZZINESS AND FATIGUE
Inhalation: MAY CAUSE VOMITING, NAUSEA, IRRITATION
Swallowing: LARGE CONCENTRATIONS MAY BE FATAL
Overexposure: MAY CAUSE KIDNEY AND LIVER DAMAGE

Exposure Limits: 100 PPM Irritancy: YES Carcinogen: NO
Sensitization NO Mutageny: NO Reproductive NO
to Product: Toxicity:
Teratogeny: NO Synergistic Products: NO

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Emergency First Aid Procedures:

Skin: WASH WITH SOAP AND WATER
Eyes: FLUSH WITH WATER FOR 15 MINUTES, CALL PHYSICIAN
Inhalation: PROVIDE FRESH AIR AND REST, CALL PHYSICIAN
Ingestion: IS SWALLOWED, DO NOT INDUCE VOMITING, CALL PHYSICIAN
Other: CALL PHYSICIAN

S E C T I O N VI -- REACTIVITY DATA

Chemically Stable?: YES
If no, describe conditions to avoid? NONE

Incompatibility with other substances: YES
If yes, which ones? STRONG OXIDIZING AGENTS

Reactivity, and under which conditions?
AVOID OPEN SPARKS AND FLAMES

Hazardous Decomposition Products:
CO₂, CO, HYDROCARBONS

S E C T I O N VII -- SPECIAL PROTECTION INFORMATION

Pers. Protection: Eye: RECOMMENDED Gloves: RECOMMENDED - NON-ABSORBENT
Respirator: RECOMMENDED - ORGANIC VAPOR Footwear: RECOMMENDED - OIL RESISTANT
Clothing: USE AS NEEDED Other: (Specify) None

Ventilation:
NEEDED TO KEEP VAPOR CONCENTRATION BELOW T.L.V. LEVEL.

S E C T I O N VIII -- SPECIAL PRECAUTIONS

Procedure when material spilled or released:
REMOVE ALL SOURCES OF IGNITION. ABSORB ON INERT MATERIAL.

Disposal Method:
COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS

Special Shipping Information:
COMPLY TO THE TITLE 49 TRANSPORTATION CODE OF FEDERAL REGULATIONS

Storing and Handling:
STORE IN COOL, DRY PLACE AWAY FROM ALL SOURCES OF IGNITION

Other:
ALL COMPONENTS OF THIS PRODUCT ARE LISTED IN THE EPA'S INVENTORY OF CHEMICAL SUBSTANCES AS REQUIRED UNDER THE TOXIC SUBSTANCES CONTROL ACT (TSCA)