

Material Safety Data Sheet for FILMOPAQUER INK, BLACK / GA 1100,1101

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Product Identification

Product Name: FILMOPAQUER INK, BLACK Other Names: Date Prepared: May 1, 2000  
HMIS Health:2 Flammability: 3 Reactivity: 0 Pers Prot: C

Shipping Information

UN Id Number: UN 1263 WHMIS (Canada Only):B3  
DOT Shipping Name(Class): PAINT(3) Packing Group: II  
Containers <1 Pint are ORM-D

Hazardous Ingredient

Information on this Material Safety Data Sheets refers to inks used in pens and markers, however, it applies to these inks in bulk. The inks are contained in capillary or valve reservoirs and will not spill or leak under normal conditions.

Ingredient	CAS Reg. Num.#	% (wt)	Threshold Limit Value
PROPYLENE GLYCOL METHYL ETHER	107-98-2	50	100 PPM/8 HR DAY
DIACETONE ALCOHOL	123-42-2	23	50 PPM TWA
N-METHYL 2 PYRROLIDONE	872-50-4	4	100 PPM /8 HRS. PEL
SOLVENT BLACK 7	8005-02-05	15	15 mg/M <sup>3</sup> *
RESIN	65997-05-9	7	15 mg/M <sup>3</sup> *

This product is in compliance with the EPA TSCA Inventory

Physical Data

Boiling Point Low: 241°F (116 °C) high: 340 °F (171 °C)  
Specific Gravity: <1.0 Viscosity:10 SEC #4 FORD CUP Vapor Pressure: <10 @ 25°C  
% Volatile by Volume: ca.75 Vapor Density: >1.0  
Solubility in Water: PARTIAL V.O.C.: 6.38 LBS/GAL Evaporation: SLOWER Than Ether.  
Appearance: THIN LIQUID WITH MILD ETHEREAL ODOR

Fire and Explosion Data:

Flash Point:89°F TCC LEL:NE UEL:NE

Extinguishing Media: FOAM, CO<sub>2</sub>, DRY CHEMICAL, WATER SPRAY

Unusual Hazards: NA Special Procedures: NNR

Health Hazard Data

Listed as possible Carcinogen: NTP:NL IARC: NL OSHA: NL

If yes,:

Symptoms of Overexposure:HEADACHE, DIZZINESS,NAUSEA,ANESTHESIA, COUGHING, EYE, THROAT, IRRITATION.

Effects of Overexposure: SLIGHT TO SEVERE IRRITATION TO EYES AND MUCOUS MEMBRANES OF NOSE & THROAT. DERMATITIS. AFFECTS CENTRAL NERVOUS SYSTEM

Primary Routes of Entry: INGESTION, DERMAL OR INHALATION

Emergency First Aid: INHALATION; SEEK FRESH AIR.GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. SKIN CONTACT; WASH WITH COPIOUS WATER. INGESTION; CALL PHYSICIAN.

Reactivity Data:

Stability:STABLE Hazardous Polymerization: WILL NOT OCCUR

Conditions to avoid:HEAT, OPEN FLAME AND SPARKS

Incompatibility:DO NOT MIX WITH STRONG OXIDANTS

Hazardous Decomposition Products CARBON MONOXIDE, CARBON DIOXIDE, & UNIDENTIFIED ORGANIC COMBUSTION PRODUCTS

Environmental Protection Procedures:

Spill Response:REMOVE ALL IGNITION SOURCES, VENTILATE AREA, USE ABSORBENT MATERIAL TO CLEAN SPILL.

Disposal Methods:DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL AND FEDERAL REGULATIONS.

Protective Gear:NNR

Additional Measures:KEEP AWAY FROM HEAT,FIRE AND STRONG OXIDANTS. STORE IN COOL PLACE(ROOM TEMP.) USE ADEQUATE VENTILATION

Special Precautions:NA

\* = 'Free Dust', not bound in paint/ink matrix.NA = Not Applicable NL = Not Listed NNR = Not Normally Required NE = Not Established

Revision: JC-4/99

Add'l Info: