

SECTION 1 - IDENTIFICATION

Product Name: #127 1/2 Ink**Date:** 03/16/16**24 hr. Emergency Telephone Number****General Use:** Marking Ink**Colors:** Black, Blue, Green, Red, Violet**PANNIER P/N** Black – I1275-1110. Blue – I1275-3110. Green – I1275-4110, Red – I1275-5110, Violet – I1275-B110
White – I1275-2110**Manufacturer/Supplier:**

PANNIER CORPORATION

207 SANDUSKY STREET

PITTSBURGH, PA 15212-5823 U.S.A.

Emergency Telephone Number:

TRANSPORTATION: CHEMTREC : 1-800-424-9300 (North America)

1-703-527-3887 (International)

SECTION 2 - HAZARDS IDENTIFICATION

WARNING: FLAMMABLE

Risk Statements: Marked irritation of eyes, nose, throat, and skin. Skin: Cresylic acid may be absorbed through skin causing burns and poisoning. Eyes: May cause severe eye damage. Vapors: Irritation of nose and throat, dizziness, headache and nausea. Ingestion will have high risk effects. (Cumulative) Toxicity—long-term liver, cardiovascular and kidney damage.

Safety Statements: Avoid contact with skin and eyes. Keep container tightly closed. Keep away from sources of ignition. No smoking!

Potential Health Effects:

High concentrations may cause nervous system disturbances and narcosis. Chronic: Excessive exposure may cause kidney, liver and possibly blood disturbances.

Emergency and First Aid Procedures:

INHALATION: Remove to fresh air, restore breathing. Treat symptoms. Consult a physician. **EYES:** Flush immediately with water for 15 minutes. See a physician. **SKIN:** Wash with soap and water. Remove contaminated clothing. Consult a physician if irritation persists. **INGESTION:** Drink water to dilute. Do not induce vomiting. Consult a physician or poison control center immediately.

SEE SECTIONS 8, 11 - The hazards are based on 100% of the contained materials. They may be reduced by their lower concentration.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	WEIGHT PERCENT
*CRESYLIC ACID	1319-77-3	6-8
*N-BUTYL ALCOHOL	71-36-3	3
*METHANOL	67-56-1	3-5
DENATURED ETHYL ALCOHOL	67-17-5	80-90
*METHYL ISOBUTYL KETONE	108-10-1	2-5
ETHYL ACETATE	141-78-6	2-5
HEXANE	110-54-3	2-5

SECTION 4 – FIRST AID MEASURES

INHALATION: REMOVE TO FRESH AIR, RESTORE BREATHING. TREAT SYMPTOMS. CONSULT A PHYSICIAN.**EYES:** FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES. SEE A PHYSICIAN.**SKIN:** WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. CONSULT A PHYSICIAN IF IRRITATION PERSISTS.**INGESTION:** DRINK WATER TO DILUTE, DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

SECTION 5 – FIRE AND EXPLOSION HAZARD DATA

#127 1/2 Ink

Revision 3/16/2016

Page 2 of 3

EXTINGUISHING MEDIA: ALCOHOL FOAM, CO₂, DRY CHEMICAL, WATER FOG**SPECIAL FIREFIGHTING PROCEDURES:** WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT EXPLOSION WHEN EXPOSED TO EXTREME HEAT. FULL PROTECTIVE EQUIPMENT MAY BE NEEDED TO PROTECT FIREFIGHTERS FROM HAZARDOUS COMBUSTION PRODUCTS.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** CLOSED CONTAINERS MAY EXPLODE OR COLLAPSE WHEN EXPOSED TO EXTREME HEAT. RESPIRATORY PROTECTION REQUIRED FOR FIREFIGHTING PERSONNEL. DURING EMERGENCY CONDITIONS, OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD.===== **SECTION 6 – ACCIDENTAL RELEASE MEASURES** =====**STEPS TO TAKE IN CASE MATERIAL IS RELEASED OR SPILLED:** ELIMINATE ALL SOURCES OF VAPOR IGNITION. VENTILATE AREA. AVOID BREATHING VAPORS. REMOVE BY SUITABLE INERT ABSORBING MATERIAL.===== **SECTION 7 – HANDLING & STORAGE** =====**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** KEEP CONTAINERS CLOSED WHEN NOT IN USE, AND KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. AVOID EXCESSIVE INHALATION OF VAPOR OR MIST.**OTHER PRECAUTIONS**

IN ACCORDANCE WITH GOOD INDUSTRIAL PRACTICE, HANDLE WITH CARE AND AVOID CONTACT. USE ONLY WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. FOR INDUSTRIAL USE ONLY. HMIS PERSONAL PROTECTIVE EQUIPMENT IS DEPENDENT UPON CONDITIONS OF USE.

===== **SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION** =====

HAZARDOUS COMPONENTS	OCCUPATIONAL EXPOSURE LIMITS	
	OSHA PEL	ACGIH TLV
*CRESYLIC ACID	5 PPM SKIN	5 PPM SKIN
*N-BUTYL ALCOHOL	50 PPM	50 PPM
*METHANOL	200 PPM	200 PPM
DENATURED ETHYL ALCOHOL	400 PPM	400 PPM
*METHYL ISOBUTYL KETONE	50 PPM	50 PPM
ETHYL ACETATE	400 PPM	400 PPM
HEXANES	50 PPM	50 PPM

CONTROL MEASURES: GENERAL VENTILATION SHOULD BE SUFFICIENT FOR MOST CONDITIONS.**RESPIRATORY PROTECTION:** WHEN USED WITH ADEQUATE VENTILATION, NONE NORMALLY REQUIRED. HOWEVER, WHEN REQUIRED, ITS USE MUST BE IN COMPLIANCE WITH ALL OSHA HEALTH AND FIT TESTING REQUIREMENTS, AS GIVEN IN 29CFR 1910.134. WILL PRODUCE TOXIC VAPORS.**PROTECTIVE CLOTHING:** USE OF RUBBER OR PLASTIC GLOVES RECOMMENDED IF CONTACT IS LIKELY.**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** USE PROTECTIVE CREAM WHEN SKIN CONTACT IS LIKELY.**EYE PROTECTION:** SAFETY EYEWEAR SHOULD BE AVAILABLE TO AVOID ACCIDENTAL CONTACT**WORK / HYGIENIC PRACTICES:** WASH HANDS BEFORE EATING, DRINKING OR SMOKING. NO SMOKING IN WORK AREA.===== **SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES** =====**BOILING POINT:** 147 to 375 DEG. F.**SPECIFIC GRAVITY (H₂O=1):** 0.85**VAPOR DENSITY:** HEAVIER THAN AIR**EVAPORATION RATE:** SLOWER THAN ETHER**MATERIAL V. O. C. :** Blue, Green, Red, Violet: 6.06 lb/gal. (726 gm/l)

Black, White: 6.07 lb/gal (727 gm/l)

VAPOR PRESSURE: 96.0 mm Hg @ 68 deg. F**SOLUBILITY IN WATER:** INSOLUBLE**APPEARANCE AND ODOR:** VISCOUS COLORED LIQUID, PUNGENT ODOR**FLASH POINT:** 53 Deg. F**METHOD USED:** CLOSED CUP**FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER:** 1.4% **UPPER:** 36.5%

#127 1/2 Ink

Revision 3/16/2016

Page 3 of 3

===== SECTION 10 – STABILITY AND REACTIVITY =====

STABILITY: STABLE

CONDITIONS TO AVOID: HEAT, SPARKS AND OPEN FLAME.

INCOMPATIBILITY (MATERIALS TO AVOID)

CONTACT WITH STRONG ACIDS, ALKALIES OR OXIDIZERS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

MAY PRODUCE CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN, AND OTHER HAZARDOUS DECOMPOSITION PRODUCTS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION 11 – TOXICOLOGICAL INFORMATION =====

INDIVIDUAL INGREDIENT HAZARDS

*CRESYLIC ACID - INGESTION: LD50, 242 MG/KG – RAT. SKIN ABSORPTION: LD50, 2,000 MG/KG – RABBIT. INHALATION: NDA

*N-BUTYL ALCOHOL - INGESTION: LD50, 2,292 MG/KG - RAT. SKIN ABSORPTION: LD50, 3,430 MG/KG - RABBIT. INHALATION: LC50, 8,000 MG/KG, 1 HOUR - RAT (4 HOURS)

*METHANOL - INGESTION: LD50, 5,628 MG/KG. - RAT. SKIN ABSORPTION: LD50, 15,800 MG/KG - RABBIT. INHALATION: LC50, 64,000 PPM - RAT (4 HOURS)

DENATURED ETHYL ALCOHOL - INGESTION: LD50, 1,400 MG/KG. SKIN ABSORPTION: LD50, 1,7000 MG/KG. INHALATION: LC50, 20,000 PPM – RAT (1 HOUR)

ETHYL ACETATE - ORAL RAT 2080 MG/KG LD50 RABBIT 16000 MG/KG INHALATION LC50 RAT 2000 MG/L 4 HOURS

CARCINOGENICITY: NTP? NO? IARC MONOGRAPHS? NO OSHA REGULATED? NO

NONE CURRENTLY KNOWN.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

RESPIRATORY IRRITATION, DERMITITIS AND NAUSEA.

===== SECTION 12 – ECOLOGICAL INFORMATION =====

NDA

===== SECTION 13 – DISPOSAL INFORMATION =====

WASTE DISPOSAL METHOD: INCINERATION IS PREFERRED, IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. REFER TO SDS CAUTION INFORMATION BEFORE ATTEMPTING CLEANUP.

===== SECTION 14 – TRANSPORTATION INFORMATION =====

DOT PROPER SHIPPING NAME: PRINTING INK

PACKING GROUP: II

DOT HAZARD CLASS: 3

DOT UN/NA NUMBER: UN 1210

HAZARD SUBCLASS: N/A

EMERGENCY RESPONSE GUIDE NO. 26

THE LISTED TRANSPORTATION INFORMATION APPLIES ONLY TO GROUND TRANSPORT AND DOES NOT ADDRESS REGULATORY VARIATIONS DUE TO CHANGES IN PACKAGE SIZE, MODE OF SHIPMENT, OR OTHER REGULATORY DESCRIPTORS.

===== SECTION 15 – REGULATORY INFORMATION =====

TOXIC SUBSTANCES CONTROL ACT: ALL OF THE INGREDIENTS ARE LISTED IN THE TSCA INVENTORY.

SARA 313: *CHEMICALS SUBJECT TO REPORTING REQUIREMENTS OF SEC. 313, ETC.

===== SECTION 16 – OTHER INFORMATION =====

DISCLAIMER

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN WERE OBTAINED FROM SOURCES BELIEVED TO BE GENERALLY RELIABLE, BUT, WE MAKE NO WARRANTY CONCERNING THEIR ACCURACY OR SUFFICIENCY, AND WE WILL NOT BE HELD LIABLE FOR CLAIMS RELATING TO ANY PARTY'S USE OF OR RELIANCE ON INFORMATION OR RECOMMENDATIONS CONTAINED HEREIN.

DATE: 09/12/15

HMIS CODES: H – 3, F – 3, R – 0, P –

LEGEND: NDA – NO DATA AVAILABLE N/D - NOT DETERMINED N/E – NOT ESTABLISHED