

**PANNIER CORPORATION**  
**207 SANDUSKY STREET, PITTSBURGH, PA 15212-5823 U.S.A.**  
**MATERIAL SAFETY DATA SHEET**

C-1923 BLACK

DATE: 01-01-13

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IMPORTANT: Read this MSDS before handling and disposing of this product and pass this information onto employees, customers and users of this product.

**24 HOUR EMERGENCY TELEPHONE NUMBER:**  
**INFOTRAC: 1-800-535-5053**

**SECTION I - GENERAL INFORMATION**

**PRODUCT NAME: C-1923 Black Ink**

**CHEMICAL FAMILY: Mixture**

**CAS NO.: NOT AVAILABLE (MIXTURE)**

**DOT HAZARDOUS MATERIALS PROPER SHIPPING NAME: PRINTING INK**

**DOT HAZARD CLASS: Flammable Liquid**

**UN/NA ID NO.: UN 1210**

**HMIS CODES: 2H, 3F, 0R**

**SECTION II – COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE		WEIGHT PERCENT
		OSHA PEL	ACGIH TLV	SEE SEC. VI	mm Hg @	TEMP	
*N-BUTYL ALCOHOL	71-36-3	50 PPM	50 PPM	X	4.0	68F	49
2 ETHYL HEXANOL	104-76-7	N/A	N/A	N/A	0.1	68F	20

\*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

**SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS**

**BOILING RANGE: 243 to 363 Deg. F**

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.1**

**VAPOR DENSITY: HEAVIER THAN AIR**

**EVAPORATION RATE: SLOWER THAN ETHER**

**MATERIAL V. O. C. : 5.36 LB/GL ( 642 G/L )**

**SOLUBILITY IN WATER: INSOLUBLE**

**APPEARANCE AND ODOR: THIN COLORED LIQUID, ALCOHOLIC**

**SECTION IV – FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT: 97 Deg F**

**METHOD USED: CLOSED CUP**

**FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 0.9% UPPER: 11.2%**

**EXTINGUISHING MEDIA: ALCOHOL FOAM, CO<sub>2</sub>, DRY CHEMICAL, WATER FOG**

**SPECIAL FIREFIGHTING PROCEDURES**

WATER SPRAY MAY BE INEFFECTIVE, 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.

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**UNUSUAL FIRE AND EXPLOSION HAZARDS**

CLOSED CONTAINERS MAY EXPLODE OR COLLAPSE WHEN EXPOSED TO EXTREME HEAT. DURING EMERGENCY CONDITIONS, OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD.

**SECTION V – REACTIVITY DATA**

**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 VI – HEALTH HAZARD DATA**

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

TLV 50 PPM CEILING (SKIN) VALUE FROM ACGIH. IRRITATION OF NOSE AND THROAT, DIZZINESS, HEADACHE AND NAUSEA.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

PROLONGED OR REPEATED CONTACT MAY DRY AND IRRITATE SKIN. EYE CONTACT: MILDLY IRRITATING.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

DERMATITIS MAY RESULT FROM REPEATED CONTACT.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

CAN CAUSE NAUSEA, VOMITTING AND NARCOSIS.

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

ACUTE: MODERATE IRRITATION TO EYES, THROAT AND SKIN. HIGH CONCENTRATIONS MAY CAUSE NERVOUS SYSTEM DISTURBANCES, NARCOSIS. CHRONIC: NONE CURRENTLY KNOWN

**CARCINOGENICITY:** NONE CURRENTLY KNOWN

**NTP?** NO

**IARC MONOGRAPHS?** NO

**OSHA REGULATED?** NO

**.MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

RESPIRATORY IRRITATION, DERMATITIS, ANEMIA AND NAUSEA.

**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.

**SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

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ELIMINATE ALL SOURCES OF VAPOR IGNITION. VENTILATE AREA. AVOID BREATHING VAPORS. REMOVE BY SUITABLE INERT ABSORBING MATERIAL.

**WASTE DISPOSAL METHOD**

INCINERATION IS PREFERRED, IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. REFER TO MSDS CAUTION INFORMATION BEFORE ATTEMPTING CLEANUP.

**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 UNNECESSARY 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 VIII – CONTROL MEASURES**

**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.

**VENTILATION**

SUFFICIENT VOLUME AND PATTERN SHOULD BE PROVIDED TO KEEP AIR CONTAMINANT CONCENTRATIONS BELOW CURRENT ACGIH TLV LIMITS.

**PROTECTIVE GLOVES**

RECOMMENDED FOR PROLONGED OR REPEATED CONTACT. USE RUBBER OR PLASTIC.

**EYE PROTECTION**

SAFETY EYEWEAR IS RECOMMENDED AND SHOULD BE AVAILABLE TO AVOID ACCIDENTAL CONTACT.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

USE PROTECTIVE CREAM WHEN SKIN CONTACT IS LIKELY.

**WORK / HYGIENIC PRACTICES**

WASH HANDS BEFORE EATING, DRINKING OR SMOKING. AVOID SMOKING IN WORK AREA.

**SECTION IX – DISCLAIMER**

**DISCLAIMER OF LIABILITY**

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