

SAFETY DATA SHEET

Product Name: 1083C BLACK

Color: BLACK

24 hr. Emergency Telephone Number

P/N: I1083-1110-C Infotrac: 1-800-535-5053

General Use: Marking Ink

Manufacturer: Pannier Corporation, 207 Sandusky Street, Pittsburgh, PA 15212

Phone: 412-323-4900

WARNING: FLAMMABLE





Risk Statements: Irritating to eyes, respiratory system, throat and skin. Repeated exposure may cause skin dryness or cracking. Vapors may cause drowsiness and dizziness. Harmful if swallowed – can cause nausea, vomiting and narcosis.

<u>Safety Statements:</u> 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.

HAZARDOUS COMPONENTS	CAS NUMBER	WEIGHT PERCENT
*N-BUTYL ALCOHOL	71-36-3	46
2 ETHYL HEXANOL	104-76-7	21

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.

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: DURING EMERGENCY CONDITIONS, OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD.

STEPS TO TAKE IN CASE MATERIAL IS RELEASED OR SPILLED: ELIMINATE ALL SOURCES OF VAPOR IGNITION. VENTIALTE AREA. AVOID BREATHING VAPORS. REMOVE BY SUITABLE INERT ABSORBING MATERIAL.

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.

	OCCUPATIONAL EXPOSURE LIMITS	
HAZARDOUS COMPONENTS	OSHA PEL	ACGIH TLV
*N-BUTYL ALCOHOL	50 PPM	50 PPM
2 ETHYL ALCOHOL	N/A	N/A

CONTROL MEASURES: GENERAL VENTILATION SHOULD BE SUFFICIENT FOR MOST CONDITIONS.

RESPIRATORY PROTECTION: 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.

PROTECTIVE CLOTHING: USE OF RUBBER OR PLASTIC GLOVES RECOMMENDED FOR PROLONGED OR REPEATED CONTACT.

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.

BOILING POINT: 243 to 363 DEG. F. SPECIFIC GRAVITY (H2O=1): 0.95

VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER

MATERIAL V. O. C.: 5.28 LB/GL (633 G/L)

SOLUBILITY IN WATER: INSOLUBLE **VAPOR PRESSURE:** 4.0 mm Hg @ 68 deg. F

APPEARANCE AND ODOR: THIN COLORED LIQUID, ALCOHOLIC

FLASH POINT: 97 Deg. F METHOD USED: CLOSED CUP

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

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 MONOZIDE, CARBON DIOXIDE, OXIDES OF NOTROGEN, AND OTHER HAZARDOUS DECOMPOSITION PRODUCTS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INDIVIDUAL INGREDIENT HAZARDS

*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)

 $\underline{\textbf{2} \ \text{ETHYL HEXANOL}} \ - \ \text{INGESTION: LD50, 1,400 MG/KG. - RAT. SKIN ABSORPTION: LD50, 1,700 MG/KG-RABBIT. INHALATION: LD50, 20,000 PPM - RAT. (10 HOURS)$

CARCINOGENICITY: NTP? NO? IARC MONOGRAPHIS? NO OSHA REGULATED? NO NONE CURRENTLY KNOWN.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

RESPIRATORY IRRITATION, DERMITITIS AND NAUSEA.

NDA

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

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.

TOXIC SUBSTANCES CONTROL ACT: ALL OF THE INGREDIENTS ARE LISTED IN THE TSCA INVENTORY. SARA 313: *CHEMICALS SUBJECT TO REPORTING REQUIREMENTS OF SEC. 313 OF TITLE III AND 40 CFR 372 ARE PRESENT.

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: 01/01/20 **HMIS CODES:** H - 2, F - 3, R - 0, P -

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