



I1083 White Ink

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SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION**PRODUCT NAME:** I1083 White Ink**PRODUCT CODE:** I1083-2110**PRODUCT USE:** Marking Ink**CHEMICAL FAMILY:** Mixture**CAS NO.:** NOT AVAILABLE (MIXTURE)

Not recommended for: Consumer Use

Manufacturer/Supplier:

PANNIER CORPORATION

207 SANDUSKY STREET

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

24 Hr Emergency Telephone Number: Infotrac 1-800-535-5053**SECTION 2 - HAZARDS IDENTIFICATION****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.

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	WEIGHT	
	CAS NUMBER	PERCENT
*N-BUTYL ALCOHOL	71-36-3	30
2 ETHYL HEXANOL	104-76-7	11

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 FIGHTING MEASURES****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.**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

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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 AND 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 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 8 - exposure controls / personal protection

SECTION 8 – EXPOSURE CONTROLS/PERSONAL

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

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling point:	243 to 363 deg. F.
Specific gravity (h₂o=1):	1.27
Vapor density:	heavier than air
Evaporation rate:	slower than ether
Material V. O. C.:	4.33 lb/gl (519 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%

SECTION 10 - STABILITY AND REACTIVITY

Stability: stable

Conditions to avoid: heat, sparks and open flame.

Incompatibility (materials to avoid)

Contact with strong acids, alkalis 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

*n-butyl alcohol - ingestion: Id50, 2,292 mg/kg - rat. Skin absorption: Id50, 3,430 mg/kg - rabbit. Inhalation: Ic50, 8,000 mg/kg, 1 hour - rat (4 hours)

2 ethyl hexanol - ingestion: Id50, 1,400 mg/kg. - rat. Skin absorption: Id50, 1,700 mg/kg - rabbit. Inhalation: Ic50, 20,000 ppm - rat (10 hours).

Carcinogenicity: NTP? No? **IARC monographs?** No **OSHA regulated?** No

None currently known.

Medical conditions generally aggravated by exposure

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Respiratory irritation, dermatitis and nausea.

SECTION 12 - ECOLOGICAL INFORMATION

NDA

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste disposal method: incineration is preferred, in compliance with local, state and federal regulations. Refer to SDS caution information before attempting cleanup.

SECTION 14 - TRANSPORT 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 of title iii and of 40 CFR 372 are present.

SECTION 16 - OTHER INFORMATION

HMIS codes: H - 2, F - 3, R - 0, P - N/D

Legend: NDA - no data available N/D - not determined N/E - not established

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