

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION****PRODUCT NAME:** 1001 Lt. Blue**PRODUCT USE:** Marking Ink**PANNIER P/N** I1001-3311 Light Blue**PRODUCT COLOR:** Light Blue

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****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.**Safety Statements:** Avoid contact with skin and eyes. Keep container tightly closed.

Keep away from sources of ignition. No smoking!

Potential Health Effect*

Acute: Moderate irritation of eyes, nose, throat and skin. Ingestion of high concentrations may cause injury.

Chronic: Repeated excessive exposure may cause lung, liver and kidney effects.

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, 1 1 - 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	PERCENT
Denatured ethyl alcohol	64-174	20
Propylene glycol monomethyl ether	107-98-2	30

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: closed containers may explode or collapse when exposed to extreme heat. 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 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

Hazardous components	Occupational exposure limits	
	OSHA PEL	ACGIH TLV
Denatured ethyl alcohol	1000 ppm	1000 ppm
Propylene glycol monomethyl ether	N/A	100 ppm

Control measures: general ventilation should be sufficient for most conditions.

Respiratory protection: when used 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.

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: 165 to 248 DEG. F.

SPECIFIC GRAVITY (H₂O=1): 1.2

VAPOR DENSITY: HEAVIER THAN AIR

EVAPORATION RATE: SLOWER THAN ETHER

MATERIAL VOC.: 5.07 LB/GL (607G/L)

VAPOR PRESSURE: 44mmhg@77 deg. F SOLUBILITY IN WATER: INSOLUBLE

APPEARANCE AND ODOR: THIN COLORED LIQUID, ALCOHOLIC

FLASH POINT: 54 Deg. F METHOD USED: CLOSED CUP

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.6% UPPER: 19.0%

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

Denatured ethyl alcohol - ingestion: LD50, 2,292 mg/kg-rat. Skin absorption: LD50, 3,430 mg/kg-rabbit. Inhalation: LC50, 8,000 mg/kg-rat (4 hours)

Propylene glycol monomethyl ether - ingestion: LD50, 7,200mg/kg-rat. Skin absorption: LD50, 13,000 mg/kg-rabbit. Inhalation: LC50, 7,500 ppm-rat (6 hours)

Carcinogenicity: NTP? No? IARC monograph's? No OSHA regulated? No none currently known.

Medical conditions generally aggravated by exposure 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: 11

Dot hazard class: 3

Dot UN/NA number: UN 1210

Hazard subclass: n/a

Emergency response guide no. 26

The listed transportation information applies to ground transport in gallon or larger quantities and may not apply to 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.

HMIS codes: H-2, F-3, R-0, p-

Legend: nda- no data available md - not determined n/e — not established