

## Product Safety Information Sheet

General environmental and safety information for consumers

### 1. Product and Company Identification

#### 1.1 Identification of the preparation

VersaInk Series – Black No. 5

#### 1.2 Company undertaking identification

Diversified Nano Corporation  
P.O. Box 270459  
San Diego, CA 92198, USA

#### 1.3 Emergency telephone number

DNC Health Effects Line  
1-858-673-0387 (USA and Canada) or  
Intl +1-858-673-0387 (all other areas)

#### 1.4 General information telephone number

1-858-673-0387 (USA and Canada)  
Intl +1-858-673-0387 (all other areas)

Hazard rating	NFPA/HMIS
Health	1
Flammability	1
Instability/Reactivity	0
Special	none

### 2. Composition/information on ingredients

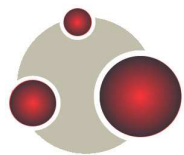
This ink cartridge contains an aqueous ink formulation.

Component	CAS No.	% by weight.	Workplace Limits (PEL, TLV)
Surfynol 485/Surfactant	9014-85-1	< 0.5%	not established
Glycerin	56-81-5	< 33.0%	not established
Trade secret materials	not specified	< 30.0	not established
Water	7732-18-5	balance	not established

### 3. Hazards Identification

#### 3.1 Primary Routes of Exposure

skin, eye, oral, and inhalation



**3.2 Acute Health Hazards**

- Skin:** May cause slight skin irritation characterized by redness and swelling after prolonged contact. Indications may be masked by color of ink.
- Eye:** May be mildly irritating.
- Oral:** May cause stomach upset after ingestion.
- Inhalation:** Prolonged inhalation may result in irritation to the respiratory tract.

**3.3 Chronic Health Hazards**

None noted

**3.4 Carcinogenicity**

This product contains no carcinogens in concentrations 0.1 percent or greater.

**4. First Aid Measures**

**4.1 Emergency First Aid Procedures**

**Call the DNC HEALTH EFFECTS LINE at 1-858-675-0387 (Intl + 1-858-673-0387 outside USA and Canada).**

**First aid for skin**

Wash affected areas thoroughly with soap and water. Clothing should be laundered before reuse. **Seek medical attention if skin irritation persists.**

**First aid for eyes**

Contact with eyes may cause mild irritation. Immediately flush with large amounts of clean, lukewarm water (low pressure) for at least 15 minutes. **Seek medical attention if eye irritation persists.**

**First aid for ingestion**

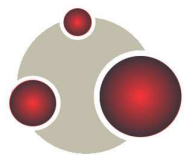
Ingestion of ink may cause stomach upset. Seek medical advice and then call the DNC HEALTH EFFECTS LINE. **Seek medical attention if stomach upset persists.**

**First aid for inhalation**

Remove to fresh air.

**5. Fire Fighting Measures**

<b>Flash point:</b> Approximately 265°F - 320°F. No ignition, sustained combustion or flashing in the Sustained Combustibility Test (method in US 49CFR173, Appendix H).	<b>Auto-ignition temperature:</b> Not determined
<b>Extinguishing media:</b> Water, dry chemical, carbon dioxide, foam	<b>Special fire fighting procedures:</b> None
<b>Unusual fire and explosion hazards:</b> No special hazards known	



**6. Accidental release measures**

**Spill or Leak Procedures**

No special procedures are indicated. Use absorbent towels to wipe up ink. Rinse area with damp cloth to remove remaining traces of ink.

**7. Handling and storage**

No special handling or storage required.

**KEEP OUT OF THE REACH OF CHILDREN**

<b>Storage temperature:</b> -40° – 70 °C	<b>Shelf life:</b> 1 year
<b>Handling and storage precautions:</b> Do not use inkjet cartridge when frozen. Ensure inkjet cartridge exterior is dry before inserting into printer.	<b>Special sensitivity:</b> NNone

**8. Exposure control / personal protection**

No special eye or skin protection is needed for cleanup of spills. Standard eye and skin protection for laboratory chemical safety is required.

**9. Physical and chemical properties**

<b>Appearance:</b> black liquid	<b>Physical state:</b> liquid at room temperature
<b>pH:</b> 7.2 - 7.9	<b>Solvent content:</b> <33%
<b>Solubility in water:</b> soluble	<b>Vapor density:</b> >1 (air = 1.0)
<b>Odor:</b> not applicable	<b>Vapor pressure:</b> not applicable

**10. Stability and reactivity**

<b>Stability:</b> stable under normal storage conditions	<b>Thermal decomposition products:</b> Oxides of carbon, water
<b>Incompatibilities:</b> strong oxidizers	<b>Hazardous polymerization:</b> none

**11. Toxicological information**

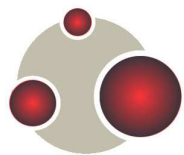
Refer to sections: 3. Hazards Identification and 4. First Aid Measures

**12. Ecological information**

This ink complies with the requirements for the German Blue Angel Environmental Certification for printers.

**13. Disposal considerations**

Dispose in accordance with all applicable federal, state and local laws



dnc

Diversified Nano Corporation

Versaink<sup>nano</sup>™

Material Safety Data Sheet

Versaink Series - Black No. 5

**14. Transport information**

Not a regulated article under DOT, IATA, ADR or RID.

**15. Regulatory information**

According to EU Directive 88/379/EEC, this product is not classified as dangerous and therefore no hazard label is required. For other countries, including the USA, no product label would be required.

TSCA Inventory: all components are listed.

TSCA Section 12(b) Export Notification not required for this product.

**16. Other Information**

Date revised: 23 September 2004

Supersedes: 11 February 2000

Sections revised: 1.1, 1.3, 1.4, 4.1, Disclaimer

DISCLAIMER: This Product Safety Information Sheet is offered without charge to the customers of DNC Corporation. Data is the most current known to DNC at the time of preparation, and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application.