

# MATERIAL SAFETY DATA SHEET



## AquaJet Black Ink

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** AquaJet Black Ink  
**PRODUCT CODE:** Part Number 524-401044

**MANUFACTURER:** Gandi Innovations  
**ADDRESS:** 941 Isom Rd, San Antonio, TX 78216, USA

**VOICE PHONE:** (210) 344 - 9566  
**FAX:** (210) 344 - 9569  
**EMERGENCY TELEPHONE(S):** USA: (800) 424-9300  
INTL: +1 703 527 3887

**WEB:** [www.gandinovations.com](http://www.gandinovations.com)

**CHEMICAL FAMILY:** Aqueous textile ink

**PRODUCT USE:** Digital printing of polyester textiles

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### SECTION 2: COMPOSITION

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<u>INGREDIENT</u>	<u>CAS number</u>	<u>Concentration (%)</u>
Water	7732-18-5	30-40
Glycerine	56-81-5	30-40
Propylene glycol	57-55-6	< 10
Disperse blue dye	62570-50-7	< 1
Biocide	5395-50-6	< 0.1

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### SECTION 3: HAZARDS IDENTIFICATION

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Disperse dye may produce an allergic reaction.

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### SECTION 4: FIRST AID MEASURES

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**EYES:** Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Remove contact lenses. Seek medical advice.

**SKIN:** Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

**INGESTION:** If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.

**INHALATION:** Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** If symptoms persist or in all cases of doubt seek medical advice. Never give anything by mouth to an unconscious person.

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### SECTION 5: FIRE-FIGHTING MEASURES

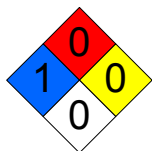
**FLASH POINT:** > 100 C

**AUTOIGNITION TEMPERATURE:** None.

**HMIS HAZARD CLASSIFICATION:**

Health	1
Fire	0
Reactive	0
Protective Equipment	C

**NFPA HAZARD CLASSIFICATION:**



**EXTINGUISHING MEDIA:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Keep containers and surroundings cool with water spray.

**SPECIAL FIRE FIGHTING PROCEDURES:** As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health. Cool closed containers exposed to fire with water spray. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Wear self contained breathing apparatus for fire fighting if necessary.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** No person without proper safety training should be allowed to take actions when accidentally released uncontrollably.

**PERSONAL PRECAUTIONS:** Use personal protective equipment. Ventilate the area. Refer to protective measures listed in sections 7 and 8. Material can create slippery conditions.

**ENVIRONMENTAL PRECAUTIONS:** Try to prevent the material from entering drains or water courses. If the product contaminates rivers and lakes or drains inform respective authorities.

**CLEANUP:** Clean with detergents. Avoid solvents. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**ADDITIONAL ADVICE:** Refer to section 15 for specific national regulations.

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### SECTION 7: HANDLING AND STORAGE

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**SAFE HANDLING:** Avoid exceeding of the given occupational exposure limits (see section 8). Use only in area provided with appropriate exhaust ventilation. Avoid contact with skin, eyes and clothing. Smoking, eating and drinking should be prohibited in the application area. Avoid inhalation of vapour or mist. For personal protection see section 8. Thoroughly mix before using. After using, store in a well-sealed container.

**REQUIREMENTS FOR STORAGE AREAS AND CONTAINERS:** Observe label precautions. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with the particular national regulations. Store between 5° an 35°C in a dry, well ventilated place away from source of heat, ignition and direct sunlight. No smoking. Electrical installations / working materials must comply with the technological safety standards.

**ADVICE ON COMMON STORAGE:** Keep away from oxidising agents and strongly acid or alkaline materials.

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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#### PROTECTIVE EQUIPMENT:



**RESPIRATORY PROTECTION:** Provide adequate ventilation.

**HAND PROTECTION:** For prolonged or repeated contact use protective gloves. Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred. Skin should be washed after contact. Wash your hands and put on barrier creams.

**EYE PROTECTION:** Chemical resistant goggles must be worn.

**SKIN AND BODY PROTECTION:** Wear protective clothing. Skin should be washed after contact.

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**FORM:** liquid

**FLASH POINT:** > 100 °C

**SPECIFIC GRAVITY:** 1.09

**SOLIDS BY WEIGHT:** 48 %

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### SECTION 10: STABILITY AND REACTIVITY

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**CONDITIONS TO AVOID (STABILITY):** Our products were manufactured in compliance with safety standards to avoid decomposition and degrading under the defined conditions. Taking the product type into account, it is advisable to leave the product in its original packaging thus avoiding transferring it.

**INCOMPATIBILITY (MATERIAL TO AVOID):** Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. Keep away from extreme heat.

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### SECTION 11: TOXICOLOGICAL INFORMATION

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**Acute inhalation toxicity:** Inhalation of airborne droplets may cause irritation of the respiratory tract.

**Skin irritation:** Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in desiccation of the skin. The product may be absorbed through the skin.

**Note:** The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

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### SECTION 12: ECOLOGICAL INFORMATION

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**ECOLOGICAL INFORMATION:** There is no data available for this product.

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### SECTION 13: DISPOSAL CONSIDERATIONS

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**WASTE DISPOSAL METHOD:** The product should not be allowed to enter drains, water courses or the soil. Disposal together with normal waste is not allowed. Special disposal required according to local regulations.

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### SECTION 14: TRANSPORT INFORMATION

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Not regulated.

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### SECTION 15: REGULATORY INFORMATION

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**Exceptional labelling of special preparations:** Disperse dye may produce an allergic reaction.

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### SECTION 16: OTHER INFORMATION

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**REVISION NUMBER:** 1

**REVISION DATE:** July 29, 2008

**DISCLAIMER:** The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.