



# SAFETY DATA SHEET

## JET-I DYE SUBLIMATION INKS AND FLUSH

MSDS10014-EN

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Version 1, revision date March 4, 2009

Ref. (EC) No 1907/2006

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

Product name: Jet-I Dye Sublimation Inks And Flush

Product identification: JDS-K, JDS-C, JDS-M, JDS-Y, JDS-CLT, JDS-MLT, JDS-FL, JDS600-K, JDS600-C, , JDS600-,M, JDS600-Y, JDS600-LC, JDS600-LM

Use: Digital printing ink and cleaner

Company: Gandi Innovations  
941 Isom Rd, San Antonio, TX 78216, USA

Telephone: 210-344-9566  
Telefax: 210-344-9569  
Web: [www.gandininnovations.com](http://www.gandininnovations.com)  
E-mail: [info@jetiprinters.com](mailto:info@jetiprinters.com)

Emergency Telephone (North America): 800-424-9300  
Emergency Telephone (International): +1 703 527 3887

### 2. HAZARDS IDENTIFICATION

Hazard designation      Potential Health Effects:

SKIN:                      May cause slight skin irritation, dryness or cracking.  
EYE:                        Vapor exposure or direct contact may cause eye irritation.  
INHALATION:              May cause irritation to nose, throat and lungs.  
INGESTION:                May cause lung damage if swallowed.

Classification              R65, R66

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Percent</u>	<u>Symbol</u>	<u>R Phrases</u>
Polymers	Trade Secret	5-25	None	None
Dyes	Trade Secret	< 10	None	None
Additives	Trade Secret	< 5	None	None
Proprietary Solvents	Trade Secret	75-100	Xn	R65, R66

### 4. FIRST AID MEASURES

General

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In case of inhalation:	Remove to fresh air. If symptoms develop, get immediate medical attention.
In case of skin contact:	Immediately wash skin with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists. Place contaminated clothing in closed container for storage until laundered or discarded. or cracking.
In case of eye contact:	Flush immediately with large amounts of water for at least 15 minutes, Eyelids should be held away from the eyeball to ensure thorough rinsing. Get immediate medical attention.
In case of ingestion:	Do not induce vomiting. Never give anything by mouth to an unconscious person. Get immediate medical attention.

#### **5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:**

Use water spray, dry chemical, foam, all purpose AFFF or carbon dioxide to extinguish fire.

#### **6. ACCIDENTAL RELEASE MEASURES**

Personal precautions:	Eliminate and/or shut off ignition sources and keep ignition sources out of the area. Evacuate personnel to well-ventilated areas.
Environmental precautions:	Keep out of sewers, drains, ground and surface and underwater.
Methods for cleaning up/collecting:	Clean up residue or small spills using inert absorbent material. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible (See Section 13).
Additional information:	In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.

#### **7. HANDLING AND STORAGE**

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#### **Handling**

Advices on safe handling: Avoid skin contact. Avoid eye contact with vapors, mists, or spray. Avoid breathing of vapors, mists or spray. Use only with adequate ventilation. Do not eat, drink or smoke in areas of use or storage. Wash thoroughly after handling.

Requirements to be met by storerooms and containers: Avoid all sources of ignition. Store out of direct sunlight, away from excessive heat. Store away from oxidizing agents. Keep in well-ventilated area. Keep containers tightly closed. Empty containers may contain product residue. Do not reuse.

Specific uses: For use in Jet-I printers

#### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

No specific occupational exposure limit has been established for this product.

##### Personal protective equipment

Respiratory protection: Avoid inhalation of vapors. Ventilation is not required in open air environments or in rooms with large volumes of fresh air. Proper ventilation is required when operating in a small enclosed room to ensure an adequate supply of fresh air. Good ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Proper ventilation is required when operating in a small enclosed room to ensure an adequate supply of fresh air.

Hand protection: Avoid contact with skin. Wear chemical resist gloves where excessive contact is likely.

Eye protection: Avoid contact with eyes. Wear safety glasses with side shields or goggles if splashing is likely.

Work/hygienic practices: Wash hands before eating, using tobacco products, or using the washroom. Tobacco and food should be consumed in designated areas only.

#### **9. PHYSICAL AND CHEMICAL PROPERTIES**

Form: Liquid

Boiling point / range: >404° F (>207° C)

Flash point: >145° F (>207° C)

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#### 10. STABILITY AND REACTIVITY

Conditions to avoid: Heat and flame. Incompatible with strong oxidizing agents.

See precautions under Handling & Storage (Section 7)

#### 11. TOXICOLOGICAL INFORMATION

Toxicological tests: This information is based on findings from related or similar materials.  
LD50/LC50 values that are relevant for classification  
Primary irritant effect  
Sensitization  
Experience on practice

Acute effects (toxicity tests): Pre-existing medical conditions which may be aggravated by exposure include disorders of the skin and respiratory system.

#### 12. ECOLOGICAL INFORMATION

Environmental toxicity or biodegradation tests have not been done on this product. However, the manufacturers of components in this product state that these components should not be allowed to enter the soil, waterways or waste water as they could be harmful to the aquatic environment.

#### 13. DISPOSAL CONSIDERATIONS

Product: Incinerate in an industrial or commercial facility or recycle as permitted by local, regional, state, provincial, municipal or federal regulations.

Contaminated packaging: Do not allow product to be discharged into storm drains or sanitary sewers or any public or private waterway.

**Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.**

**The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.**

**Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.**

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#### 14. TRANSPORT INFORMATION

This product is not subject to the following transport regulations: DOT, ICAO/IATA, IMDG/IMO and Canadian TDG.

Proper Shipping Name: 3082 Environmentally Hazardous Substance, Liquid, N.O.S.

ARD/RID Classes: 9

Packing Group: III

Hazchemcode: 2X

Kemler: 90

Classification according to EEC directive 67/548/EEC: Xn – Harmful

#### 15. REGULATORY INFORMATION

##### R-phrases

R65 – Harmful: may cause lung damage if swallowed.

R66 – Repeated exposure may cause skin dryness or cracking

##### S-phrases

S-23 – Do not breath gas/fumes/vapor/spray

S24/25 - Avoid contact with skin and eyes.

S61 – Avoid release to the environment – refer to special instructions/safety data sheets.

##### FEDERAL REGULATIONS:

All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory. This product, as supplied, contains no hazardous substances regulated under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 OFR 302), or any extremely hazardous substances regulated under the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355), and thus a release of this product as supplied has no reporting requirements under these regulations. Check state and local regulations for any additional requirements, as these may be more restrictive than federal laws and regulations. Failure to report may result in substantial civil and criminal penalties.

This product does not contain toxic chemicals (in excess of the applicable de minimis concentration) that are subject to the annual toxic chemical release reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313 (40 CFR 372). There may be specific regulations at the local or state level that pertain to this product.

SARA TITLE III SECTION 311/312 HAZARDS: This product meets the criteria only for the listed hazard classes: Immediate (acute) health hazard; Fire hazard.

Carcinogenicity Classification (components present at 0.1% or more):

--International Agency for Research on Cancer (IARC): Not Listed

--American Conference of Governmental Industrial Hygienist: Not Listed

--National Toxicology Program (NTP): Not Listed

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--Occupational Safety and Health Administration (OSHA): Not Listed

#### STATE REGULATIONS:

Dyes, polymers, additives and solvents claimed as Trade Secret.

New Jersey Trade Secret Registry Numbers: Black – 800814-6498; Cyan & Light Cyan – 800814-6477; Magenta and Light Magenta – 800814-6478; Yellow – 800814-6479; Flush – 800814-6278.

Based on available information this product does not contain any components or chemicals currently known to the State of California to cause cancer, birth defects or reproductive harm at levels which would be subject to Proposition 65.

The components in this product are listed on the following Chemical Inventories or qualify for an exemption: TSCA, DSL/NDL, EINECS/ELINCS.

This document has been prepared in accordance with the MSDS requirements of the WHMIS controlled products regulation.

WHMIS (Canada) Ingredient Disclosure List: None

WHMIS (Canada) Hazardous Classification: D/2/B

#### **16. OTHER INFORMATION**

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.

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