



SAFETY DATA SHEET

GUV ULTRA UV WHITE INK

MSDS1012-EN
Version 1, 24.03.2009

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(EC) No 1907/2006

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

Product information

Product name: GUV Ultra UV White Ink
Product code: JetiUVW1, 520-202091
Use: Digital printing ink
Company: Gandi Innovations
941 Isom Rd, San Antonio, TX 78216, USA
Telephone: 210-344-9566
Telefax: 210-344-9569
Web: www.gandininnovations.com
E-mail: info@jetiprinters.com

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

2. HAZARDS IDENTIFICATION

Emergency Overview

Combustible. Keep away from all possible sources of ignition

Potential Health Effects

Eye contact: May cause eye irritation.
Skin contact: Prolonged or repeated exposure may cause irritation.
Inhalation: May cause irritation of the nose and throat when inhaled in excessively high concentrations.
Ingestion: May be a health hazard if ingested in large quantities.

Chronic Health Effects

No adverse effects have been documented in humans as a result of chronic exposure.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS #	% by weight	Classification
Trimethylolpropane formal acrylate	66492-51-1	5-30%	
Amine modified polyester acrylate		5-30%	
HDODA	13048-33-4	3-30%	Xi; R36/38; R43
H-abstraction based photoinitiator mixture		2-30%	
Acrylated polyester adhesion promoter		5-20%	
Proprietary pigment dispersion		1-15%	

4. FIRST AID MEASURES

Eyes: May cause irritation. In case of eye contact, immediately rinse with clean water for 20-30 minutes. Obtain emergency medical attention.

Skin: Immediately remove contaminated clothing. Wash skin thoroughly with mild soap/water. Flush with lukewarm water for 20 minutes. Obtain emergency medical attention.

Inhalation: May cause irritation of the nose and throat when inhaled in excessively high concentrations. Remove to fresh air and obtain medical attention.

Ingestion: May be a health hazard if ingested in large quantities. Do not induce vomiting unless instructed to do so by medical personnel. Drink lukewarm water if conscious. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Use water spray, dry chemical foam, or CO₂. Do not use straight streams. May cause foaming or frothing.

Special fire-fighting procedures: Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

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Personal precautions: Eliminate all sources of ignition. Avoid skin and eye contact.

Methods for cleaning up: Contain spill with absorbent materials such as clay, or soil, and shovel up. A vapor suppressing foam may be used to reduce vapors. Dike and absorb in a non-combustible solid. Place in a metal container for proper disposal.

7. HANDLING AND STORAGE

Handling: Avoid prolonged breathing of vapor, mist or gas. Avoid contact with eyes. Keep container closed. Wash thoroughly after handling. Properly ground containers are recommended for use. Use only non-sparking tools. Wear organic vapor respirator in accordance with NIOSH and MSHA recommendations.

Storage: Store only in tightly closed and properly vented containers away from sparks, heat, open flame and strong oxidizing agents. Water contamination should be avoided.

Precautions: Wear protective goggles or face shield if splashing or spraying liquid. Protect from freezing and too much heat.

Other Precautions: Keep container tightly closed. Keep out of reach of children.

Specific Use: Digital printing ink

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values: N/A

Exposure Controls: N/A

Occupational Exposure Controls

Respiratory Protection: Airborne concentrations should be kept to lowest possible levels. Use appropriate NIOSH or MSHA approved mask or respirator if excessive concentration levels are expected.

Ventilation: Good general ventilation is sufficient. If good ventilation is not available, use appropriate NIOSH or MSHA approved mask or respirator.

Protective Clothing: When prolonged skin contact is expected, wear protective gloves.

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Eye Protection: Wear safety glasses.

Work/Hygienic Practices: Use good personal hygiene practices, wash hands before eating, drinking, smoking, or using toilet facilities.

Environmental Exposure Control: See heading 13.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information:

Appearance:	opaque liquid
Odor:	mild
Color:	white

Important health, safety, and environmental information:

Flash point:	>140 °F
Water solubility:	None

10. STABILITY AND REACTIVITY

Stability: This material is stable when properly handled and stored.

Conditions to Avoid: Avoid extended contact with oxygen or air, heat, sparks, open flame, other ignition sources and oxidizing conditions.

Decomposition or by-products: Thermal decomposition will produce CO₂.

Hazardous Polymerization: Can polymerize if shelf life or storage temperature are greatly exceeded. Heat develops during polymerization.

11. TOXICOLOGICAL INFORMATION

Acute Oral: LD₅₀ > TBD

Acute Dermal: LD₅₀ > TBD

Primary Eye Irritation: No evidence of corrosion.

Primary Skin Irritation Primary Irritation Index: (PII) = TBD

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available. This material is not volatile.

13. DISPOSAL CONSIDERATIONS

Disposal should be done in accordance with federal state and local requirements. Must not be disposed

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together with household garbage. Do not pour the product into sewage system.

14. TRANSPORT INFORMATION

This product is not regulated for carriage according to ADR/RID, IMDG, ICAO/IATA.

15. REGULATORY INFORMATION

Notice: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state, and local laws. The following specific information is made for the purpose of complying with numerous federal, state, and local laws and regulations.

Regulatory Advisory

SARA Section 313 Emissions Reporting

Does not contain chemical components with known CAS numbers exceeding De Minimis reporting levels established under SARA Title III, Section 313 and 40 CFR 372.

SARA Section 311/312

Based upon available information, this material is classified as Acute Health Hazard and Delayed Health Hazard under Section 311 & 312.

State Reporting

Under California proposition 65, this material does not contain reportable levels of chemicals currently listed as carcinogens or reproductive toxins. There may be small amounts of residual oxides that belong to classes of substances known to cause cancer and /or reproductive toxicity.

TSCA Inventory Status

This product, or its components, are listed on, or are exempt from the Toxic Substance Control Act Chemical Substance Inventory.

WHMIS

Class D, Div 2 Subd B: Irritant

Canadian Inventory Status

This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List (DSL).

EINECS Inventory Status

This product, or its components, are listed on or are exempt from the European Inventory of Existing Chemical Substances (EINECS) or the European List of Notified Chemical Substances (ELINCS).

Australian Inventory Status

This product or its component, are listed on or are exempt from the Australian Inventory of Chemical

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Substances (AICS).

Japan Inventory Status

This product or its components are listed on or are exempt from the Japan Ministry of International Trade and Industry (MITI) inventory.

16. OTHER INFORMATION

R phrases:

(R20/21/22) Harmful by inhalation, in contact with skin and if swallowed

(R36/37/38) Irritating to eyes, respiratory system and skin

(R43) May cause sensitization by skin contact

S phrases:

(S2) Keep out of the reach of children

(S28) After contact with skin, wash immediately with plenty of water

(S36/39) Wear suitable protective clothing and eye/face protection

(S46) If swallowed, seek medical advice immediately and show this container or label

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.
