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## **SAFETY DATA SHEET**

### **GANDISOLV FLUSH**

MSDS1007-EN  
Version 1, 06.04.2009

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(EC) No 1907/2006

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

##### **Product information**

Product name: GandiSolv Flush  
Product code: NJTSRN 05315, 510-501004  
Use: Cleaning agent  
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**

##### **Emergency Overview**

Warning: Flammable

##### **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
Propylene Glycol Methyl Ether (derivative mixture)	107-98-2	20-60%	R10
4-methyl-2-oxo-1,3-dioxolane	30141-77-6	40-80%	Xi; R36
Ethylene glycolide, (2,3-epoxy-2-methylpropyl) ether	111-76-2	5-15%	Xn; R20/21/22, R36/38

### 4. FIRST AID MEASURES

**Eyes:** Immediately flush with clean low pressure water. Consult physician if necessary.

**Skin:** Wash skin with plenty of soap and water for several minutes. Remove contaminated clothing as needed. If irritation persists, seek medical attention.

**Inhalation:** Move to well ventilated area immediately. Contact physician if necessary.

**Ingestion:** If victim is conscious and alert, give two glasses (16 oz) of water to drink. If vomiting occurs, keep head below hips to prevent aspiration. Contact Physician if necessary.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Use water spray, dry chemical foam, or CO<sub>2</sub>. 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

**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

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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:	Cleaning agent

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

Exposure Limit Values:	N/A
Exposure Controls:	N/A
<u>Occupational Exposure Controls</u>	
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.
Eye Protection:	Wear safety glasses.
Work/Hygienic Practices:	Use good personal hygiene practices, wash hands before eating, drinking, smoking, or using toilet facilities.

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Environmental Exposure Control: See heading 13.

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

General information:

Appearance: clear liquid  
Odor: mild  
Color: colorless

Important health, safety, and environmental information:

Flash point: >240 °F  
Flash point: >250 °F (PMCC, nonflammable)  
Vapor pressure (mmHg @ 77 Deg F @ 760 mmHg):  
< 0.09 mmHg  
Specific gravity: 0.99-1.1

#### **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 CO<sub>2</sub>.

Hazardous Polymerization: Will not occur.

#### **11. TOXICOLOGICAL INFORMATION**

Acute Oral: LD50 > ~ 3000 Mg/Kg. Practically non-toxic.

Acute Dermal: LD50 > ~ 5000 Mg/Kg. Practically non-toxic.

Primary Eye Irritation: No evidence of corrosion.

Primary Skin Irritation Primary Irritation Index:  
(PII) = 2.6 based on erythema and edema. No corrosion was found.

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

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#### **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 warrantee, 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 Substances (AICS).

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#### 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:**

(R10) Flammable

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

(R36/38) Irritation to eyes and skin

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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