



GANS INK  
& SUPPLY CO.

## **Safety Data Sheet**

In compliance with OSHA Hazard Communication Standard (29 CFR 1910.1200) and Guidelines of Regulation (EC) No 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 453/2010

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### **SECTION 1: Identification of the Substance/ Mixture and of the Company undertaking**

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#### **1.1 Product Identifier**

**Product Name:** Graftec Drier  
**GANS Item ID:** **D-2006**  
**SDS Number:** 114  
**Product Type:** Water Activated Drier

#### **1.2 Relevant Identified uses of the substance or mixture and uses advised against**

**Product Use:** Drier for Lithographic Printing Ink  
1.2.2 Uses advised against: None known

#### **1.3 Details of the supplier of the safety data sheet**

**Manufacturer:** Gans Ink and Supply Co, Inc.  
**Address:** 1441 Boyd Street  
Los Angeles, CA 90033  
**Contact Person:** Marco Ramos  
**Telephone:** 323- 264-2200 / 1-800 421-6167  
**Fax:** 323-264 2916  
**Email:** MSDS@gansink.com

#### **1.4 Emergency telephone number:**

Available only during business hours.  
(323) 264-2200 Monday- Friday 7:00 A.M. – 9:00 P.M.  
**Available 24 Hours:** Los Angeles County Fire Department / HazMat. Department

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### **SECTION 2: HAZARDS IDENTIFICATION**

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#### **2.1 Classification of the substance or mixture**

2.1.2: This material is hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification under CLP:** Not classified

**Components:** Hazardous

Skin Category 3 H316, Sensitization, Category 1 H317

Eye Category 2B H320, Respiratory Category 5 H335,

Skin, eye and respiratory irritation.

**Specific target organ toxicity:** Not determined

**The most important adverse environmental effects:** Water Hazard Class 1. Slightly hazardous for water.



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Biodegradability (Product): No Data available  
Bioaccumulation (Product) : No Data available  
Toxicity to fish (Product): No Data available

## 2.2 Label elements

### **Hazard Pictograms:**



**Signal Word (S):** Warning  
**X** Irritant

### **Hazard Statements:**

Causes eye irritation Category 2B H320  
Causes skin irritation Category 3 H316  
May cause an allergic skin reaction Category 1 H317  
Harmful if swallowed Category 4 H302  
May cause respiratory irritation Category 3 H335

### **Precautionary Statement-**

P261: Avoid breathing dust/vapors/mist/ fumes. May cause irritation of the mucous membranes.  
P 262: Do not get in eyes, on skin, or on clothing Wear protective gloves and eye protection.  
P264: Wash hands thoroughly after handling.  
P273: Avoid release into the environment

## 2.3 Other hazards

None known.

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## **SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS**

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**Substance / Mixture:** Mixture

<u>CAS# / EC#</u>	<u>% by weight</u>	<u>Substance Name</u>	<u>Classification</u>
Proprietary	86.0 – 92.0	Oleoresinous Vehicle	H316, H317, H320, H335
11138-47-9*, 10332-33-9 / 234-390-0	8.0 – 14.0	Sodium perborate monohydrate	H318, H302, H335, H360, H272

\* Collective CAS Number for mono- and tetrahydrate of sodium perborate

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## **SECTION 4: FIRST AID MEASURES**

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### **4.1 Description of first aid measures:**

**Inhalation:** P304, P340 Remove victim from exposure, to fresh air and keep at rest in a position for breathing  
**Skin contact:** P302, 350, Remove contaminated clothing. Wash contaminated area thoroughly with soap and water for at least 20 minutes or until material is removed.  
**Eye contact:** P305, P351, P338; immediately flush eyes with large amounts of water and continue flushing for 20 minutes or until material is removed.  
**Ingestion:** P301, P331, P330; Do not induce vomiting. Gently wipe or rinse mouth with water.

#### **4.1.1**

**Following Inhalation:** P342; if breathing has stopped or is irregular, administer artificial respiration and supply oxygen if it is available.

**Following skin contact:** P332, P313; Get medical attention if irritation develops and persists.

**Following eye contact:** P337, P313; if irritation persists, seek medical attention.

**Following Ingestion:** P301, P310; notify poison control center or hospital. Seek immediate medical attention.

#### **4.2 Most important symptoms and effects, both acute and delayed**

##### **Over – exposure signs / symptoms**

**Ingestion:** Irritation of the gastric mucosa. Prolonged or repeated contact may result in gastric or intestinal disorders.

**Inhalation:** Excessive inhalation may cause headaches, dizziness and nausea or irritation of the nasal and respiratory tract.

**Skin sensitization:** Prolonged contact may cause irritation and contact dermatitis which is characterized by dryness, chapping, and reddening.

#### **4.3 Indication of any immediate medical attention and special treatment needed.**

**Notes to physician:** Treat symptomatically.

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### **SECTION 5: FIRE – FIGHTING MEASURES**

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#### **5.1 Extinguishing Media:**

Suitable extinguishing media: Use Dry chemical, foam, Halon, water spray or fog or extinguishing measures that is appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media:** Do not use Carbon dioxide or organic media. Do not use a solid water stream as it may scatter and spread fire.

#### **5.2 Special hazards arising from the substance or mixture:**

In the event of fire, the following may be formed:

Dense smoke may be generated while burning; carbon dioxide, carbon monoxide, sulfur, boron, sodium oxides and other oxides may be generated as products of combustion. Keep away from combustible materials. Contact with combustible or organic materials will accelerate fire.

#### **5.3 Advice for fire-fighters:**

Wear self-contained breathing apparatus. Wear full protective clothing to prevent contact with skin and eyes.

Sealed containers may experience heat and pressure build-up, water spray or fog may be used to cool containers exposed to heat or flame.

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### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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#### **6.1 Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation. Move leaking containers to cool, dry ventilated area.

Wear chemical resistant gloves, safety glasses or goggles and protective clothing.

Remove all ignition sources, heat, open flame and sparks.

#### **6.2 Environmental precautions:**

Prevent spilled material from entering the ground, water and / or air by using appropriate containment methods.

Dispose of according to local, state and Federal regulations. Do NOT flush to sewer, drains or waterways.

Advise water authority if spillage has entered into water course or drainage system

#### **6.3 Methods for containment and cleaning up:**

**6.3.1 Control large spills.** Dike large spills. Move containers from spill area. Ventilate area. Keep away from all ignition sources, open flame and heat. Contain and collect spillage with non-combustible absorbent material such as vermiculite, silica gel, acid binder, universal binder, sand etc. and place in a suitable

container for disposal. Clean up with a suitable solvent.

**Small spills:** Stop leak and ventilate area. Absorb spills with non-combustible absorbent material such as vermiculite, silica gel, acid binder, universal binder, sand etc. and place in a suitable container for disposal. Dispose of according to local, state and Federal regulations.

**6.4 Reference to other sections:** Refer to section 5.2 of the SDS.

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## **SECTION 7: HANDLING AND STORAGE**

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### **7.1 Precautions for safe handling:**

**7.1.1** Protective measures: Ensure good ventilation to maintain concentrations below the specific exposure or flammable limits. Wear chemical resistant gloves and apron when handling product. Do not eat, drink or smoke when using this product. Consumption of food and beverages should be avoided in work areas.

### **7.2 Conditions for safe storage, including incompatibilities.**

Keep containers tightly closed in a dry and well-ventilated area. Store between 86 °F – 104 °F (30- 40 °C) Keep away from flammable substances, sources of ignition, open flame, heat and sparks. Store away from oxidizing agents, acids, reducing agents and alkaline materials.

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## **SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

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### **8.1 Exposure Guidelines**

<b><u>Material</u></b>	<b><u>CAS #</u></b>	<b><u>Exposure Limits</u></b>	<b><u>Basis</u></b>
No known exposure limits for components or finished product. The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.			

**Immediately Dangerous to Life or Health Concentrations (IDHL)** None known.

### **8.2: Engineering measures**

**Ventilation Requirements:** Adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specific exposure or flammable limits. Handle only in places equipped with local exhaust or other appropriate exhaust recommendations.

#### **Personal protective equipment**

**Protective measures:** Ensure that eye flushing /eye wash stations and safety showers are located and accessible to work place area.

**Respirator:** Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when the material is heated or handled, use an organic vapor respirator with a dust and mist filter. All respirators must be NIOSH certified.

**Skin / Hand Protection:** Use chemical resistant gloves when handling products. Long sleeved clothing and or chemical resistant apron for protection when handling product. Always wash hands and face with soap and water before eating, drinking, and smoking. Safety showers are recommended.

**Eye Protection:** If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof

safety glasses or goggles. Eye wash stations are recommended.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 Information on basic physical and chemical properties

**Appearance:** Viscous paste

**Color:** straw colored

**Odor:** Oleoresinous

**pH:** Not applicable

**Melting point/ freezing point:** Not determined

**Boiling point / Range:** > 600 °F (> 315.6 °C)

**Flashpoint:** > 300 °F (> 148.9 °C)

**Evaporation Rate:** No Data available

**Flammability (solid/ gas):** Not Data available

**Upper/ lower flammability explosion limits:** LEL: 1.1

**Vapor Pressure (mm Hg @ 68°F):** Not determined

**Vapor Density (Air = 1):** No Data available

**Relative Density (H<sub>2</sub>O = 1):** 1.264

**Solubility in Water:** Insoluble

**n- Octanol/ Water:** Not determined

**Auto-ignition temperature:** No Data available

**Decomposition temperature:** Not determined

**Viscosity, dynamic:** Not determined

**Explosive properties:** Not determined

**Oxidizing properties:** Not determined

### 9.2 Other Information

**Bulk Density (lbs./gal):** 10.53

**VOC (lbs./gal):** 0.105

**% VOC:** 1.0

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## SECTION 10: STABILITY AND REACTIVITY INFORMATION

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**10.1 Reactivity:** Stable under recommended storage conditions.

**10.2 Chemical Stability:** Stable under normal conditions.

**10.3 Possibility of hazardous reactions:** Decomposition may occur on exposure to hazardous conditions or incompatible materials.

**10.4 Conditions to avoid:** Keep away from flammable substances, heat, sparks, open flames, hot surfaces and sources of ignition. Store between 86 °F – 104 °F (30- 40 °C)

**10.5 Incompatible materials:** Avoid strong oxidizing agents, acids, alkalis and strong bases.

**10.6 Hazardous Decomposition Products:** CO<sub>2</sub>, CO, and nitrogen oxides (NO<sub>x</sub>) may be generated as products of combustion.

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## SECTION 11: TOXICOLOGICAL INFORMATION

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### 11.1 Information on toxicological effects

**Acute Toxicity:** No data available on complete product.

**Components:**

**Sodium perborate monohydrate 10332-33-9**

Oral :LD50 (Rat) : 1120 - 1800 mg/kg

Acute Dermal: LD50 (Rabbit): > 2000 mg/kg,



Acute Inhalation: LC50 (Rat): No information available.

**Sodium perborate monohydrate 10332-33-9:**

**Local Effects**

**Skin Irritation:** May cause skin irritation. Mild skin irritation.

**Eye Irritation:** Irritating to eyes. Severe eye irritation

**Inhalation:** Irritating to respiratory system.

**Ingestion:** May be harmful if swallowed. Causes digestive (gastrointestinal) tract irritation. Ingestion may cause nausea, vomiting, diarrhea. May cause abdominal pain. May cause central nervous system effects (affect behavior) It may affect behavior / central nervous system (irritability). May affect behavior / central nervous system (ataxia). May affect behavior / central nervous system (convulsions). May cause headache. It may rarely affect the kidneys and liver.

**Sensitization:** No information available for component

**Chronic Toxicity:** Prolonged or repeated ingestion may affect metabolism (cause anorexia, weight loss). Prolonged or repeated ingestion may cause nausea, vomiting, diarrhea. Prolonged or repeated ingestion may affect the blood (anemia).

**Sensitization:** No information available for complete product

**Carcinogenicity:** None of the components of this product is considered carcinogenic.

IARC: No component of this product presents at levels greater than or equal to 0.1 % is identified as probable, possible or confirmed human carcinogen by IARC (International Agency for Research on Cancer).

OSHA: No component of this product presents at levels greater than or equal to 0.1 % is identified as a carcinogen or potential carcinogen by OSHA (Occupational Safety and Health Administration).

NTP: No component of this product presents at levels greater than or equal to 0.1 % is identified as a known or anticipated carcinogen by NTP (National Toxicology Program).

ACGIH: No component of this product presents at levels greater than or equal to 0.1 % is identified as a carcinogen or potential carcinogen by ACGIH (American Conference of Governmental Industrial Hygienists).

**Mutagenic Effects:** Sodium perborate monohydrate 10332-33-9: May affect genetic material.

**Reproductive Effects:** Sodium perborate monohydrate 10332-33-9: May cause adverse reproductive effects based on animal data. Experiments have shown reproductive toxicity effects on laboratory animals. Possible risk of impaired fertility. May cause harm to the unborn child.

**Teratogenic Effects:** Sodium perborate monohydrate 10332-33-9: No information available.

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## **SECTION 12: ECOLOGICAL INFORMATION**

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**12.1 Toxicity:** No data available on complete product or components.

**12.2 Persistence and degradability:** No data available on complete product or components.

**12.3 Bioaccumulative potential:** No data available on complete product or components.

**12.4 Mobility in soil:** No data available on complete product or components.

**12.5 Results of PBT and vPvB assessment:** No data available on complete product or components.

**12.6 Other adverse effects:** No known adverse effects. on complete product or components.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**13.1 Waste Disposal Method:** If recycling as ink is not possible, material may be incinerated or land filled at a licensed facility in accordance with local, state, and federal regulations. Waste shall not be disposed of into sewer system, drains, and waterways or into the environment.

**13.1.1 Product/ Packaging disposal:** Empty containers or liners may retain some product residue, dispose of in accordance to state, local and Federal regulations. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

**Waste codes/ waste designations according to LoW:** \* If discarded in its original unused form, this product does **NOT** exhibit the characteristics of a RCRA hazardous waste as defined under 40CFR261.

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**SECTION 14: TRANSPORT INFORMATION**

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**US DOT (Ground):** Not Regulated Goods  
**14.1 UN number:** Not applicable  
**14.2 UN Proper Shipping Name:** Not Regulated  
**14.3 Transport hazard class:** Not Hazardous Goods  
**14.4 Packing Group:** Not applicable  
**14.5 Environmental hazards** Not applicable

**IMDG (Sea):** Not Regulated Goods  
UN number: Not applicable  
UN Proper Shipping Name: Not Hazardous Goods  
Transport hazard class: Not applicable/ Not Hazardous  
Packing Group: Not applicable  
Environmental hazards Not applicable  
Marine Pollutant: No data available

**ICAO/ IATA (Air):** Not Regulated Goods  
UN number: Not applicable  
UN Proper Shipping Name: Not Regulated Goods  
Transport hazard class: Not applicable/ Not Hazardous  
Packing Group: Not applicable  
Environmental hazards Not applicable

National Fire Protection: IIIB

**MARPOL 73/78:** No data available

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**SECTION 15: REGULATORY INFORMATION**

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**TSCA Section 8(b) Inventory Status:**

All component(s) of this product are listed on the TSCA Inventory

**Association (NFPA) Classification:** Health:2 Fire:1 Reactivity:1

**HMIS Classification:** Health hazard: 2  
Flammability: 1  
Reactivity: 1  
Personal Protective Equipment= C: Safety glasses, Gloves, Apron

**OSHA Hazards:** This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

**SARA Title III Section 313:** This product does Not contain toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1086 and 40CFR part 372.

**Emergency Planning Community Right – To- Know (EPCRA)**

**Section 302 – Extremely hazardous substances:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**Section 311/312 – Hazard Categories:** Pursuant to Section 311/312 of SARA Title III, the physical and health hazard categories for this product are identified below:

Fire Hazard –	No
Sudden Release of Pressure Hazard –	No
Reactivity Hazard –	Yes
Immediate (acute) Health Hazard –	Yes
Delayed (chronic) Health Hazard –	Yes

**CERCLA Reportable Quantity:** This product does Not contain a chemical that exceeds Calculated RQ exceeds reasonably attainable upper limit.

**SARA 302 Reportable Quantity:** This material does Not contain any components with a SARA 302 RQ.

**SARA 304 Reportable Quantity:** This material does Not contain any components with a section 304 EHS RQ.

**Hazardous Air Pollutants:** This product does Not contain HAPs at 1% or greater.

**U.S. State Regulations**

**California Proposition 65:**

This product does not contain any chemicals known by the state of California to cause cancer and/or reproductive harm. Moreover, Gans Ink and Supply Co., Inc. does not routinely analyze its products for impurities which may be such chemicals.

**Canadian Environmental Protection Act:** Components Listed on Domestic Substance List

WHMIS Classification: D2B Moderate eye irritant. Moderate skin irritant. Moderate respiratory irritant.

**European Chemical Agency (ECHA):**

This product contains an ingredient listed as a Substances of Very High Concern (SVHC) by the ECHA: CAS 10332-33-9 (covered under CAS 11138-47-9)

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**SECTION 16: OTHER INFORMATION**

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**Hazard Symbols:**

X: Irritant  
Xn: Harmful

**Hazard statements**

H 302: May be harmful if swallowed  
H316: Causes mild skin irritation  
H317: May cause an allergic skin reaction.  
H320: Causes eye irritation





H335: May cause respiratory irritation.  
H360: May damage fertility or the unborn child  
H272: May intensify fire; oxidizer

**Risk Phrases:**

R22: Harmful if swallowed  
R36/37/ 38: Irritating to eyes, skin and respiratory

**Origination Date:** 4/27/89

**Revision date:** 7-9-2014 5th Revision

The information herein is presented in good faith, based on the data available to us and is believed to be correct as of the date hereof. However, Gans Ink and Supply Co., Inc. makes no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Gans Ink and Supply Co., Inc. assumes no responsibility for any damages of any nature directly or indirectly resulting from the use of or reliance upon the information contained herein. Users must make their own determination as to the suitability of the product for their purpose prior to use. In accordance with good practices of personal cleanliness and hygiene, handle with due care and avoid unnecessary contact with this product.

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Safety Glasses  
Gloves  
Apron

