



GANS INK  
& SUPPLY CO.

## Safety Data Sheet

In compliance with OSHA Hazard Communication Standard (29 CFR 1910.1200)

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### SECTION 1: IDENTIFICATION

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**SDS Number:** 607, version 8/22/2016

**(a) Product identifier**

**Gans Item ID:** X010051, X010053, X100148, X101693, X101694

**Gans Description:** Dry Offset Moisture Set Inks

**(b) Other means of identification**

**General description:** Dry Offset Moisture Set Inks

**(c) Recommended use**

**Product Use:** Industrial use only

**Restrictions on use:** Not for residential use.

**(d) Supplier's details**

**Manufacturer:** Gans Ink and Supply Co, Inc.

**Address:** 1441 Boyd Street  
Los Angeles, CA 90033

**Contact Person:** Marco Ramos

**Telephone:** 323- 264-2200 x139

**Email:** [MSDS@gansink.com](mailto:MSDS@gansink.com)

**(e) Emergency telephone number:**

Available only during business hours.

(323) 264-2200 Monday- Friday 7:00 A.M.– 9:00 P.M.

24 Hours Response: Los Angeles County Fire Department / HazMat. Department

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### SECTION 2: HAZARD(S) IDENTIFICATION

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**(a) Classification:** OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Physical hazards:** Not classified as Hazardous

**Health hazards:**

- Acute Toxicity Oral - Category 4
- Eye Irritation Category 2A
- Specific Target Organ Toxicity Repeat Exposure - Category 2

**(b) Label elements**

**Signal Word:** Warning

**Hazard Statements:** Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause damage to organs.



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**Precautionary Statements:** Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves. Wear eye protection/face protection. Do not breathe mist/ vapors/spray.

**Response:**

If exposed or concerned: Call a poison center/doctor.

IF SWALLOWED: Call a poison center/doctor if you feel unwell. Rinse mouth.

IF ON SKIN OR HAIR: Wash with plenty of water and mild soap. Take off contaminated clothing and wash it before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

**Storage:** Store locked up.

**Disposal:** Dispose of contents/container to disposal recycling center. Waste management should be in full compliance with federal, state and local laws.

**Hazard Pictograms:**



**(c) Hazards not otherwise classified:** None known

**(d) Ingredients of unknown acute toxicity:**

Substance	CAS # (TS = trade secret)	Conc. min. (wt. %)	Conc. max. (wt. %)
Solvent orange 20	61901-90-4; 64134-85-6	0	< .4
Solvent violet 10	66225-66-9	0	< .4

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

Substance	CAS # (TS = trade secret)	Conc. min. (wt. %)	Conc. max. (wt. %)
ethylene glycol	107-21-1	5.8	25.8
2,2'-oxydiethanol	111-46-6	2.9	12.9
Dipropylene Glycol Monomethyl Ether	34590-94-8	0	.7
1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-oxo-1-(4-sulfophenyl)-4-[(4-sulfophenyl)azo]-, reaction products with guanidine hydrochloride N,N'-bis(mixed Ph, tolyl and xylyl) derivs.	71077-14-0	0	21.9
disulfo copper phthalocyanine amine salt	1328-51-4	0	6.0
Dye colorant Gans ID 243-52	TS	0	1.6
Security pigment, Gans ID C-1082	TS	0	5.0
Silicic acid (H4SiO4), zinc salt (1:2), manganese-doped	68611-47-2	0	26.8
2,2'-oxydiethanol	111-46-6	0	38.8
Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with bentonite and bis(hydrogenated tallow alkyl)dimethylammonium chlorides	71011-25-1	0	2.7

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#### SECTION 4: FIRST AID MEASURES

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**(a) Description of first aid measures:**

**General:** If exposed or concerned: Call a poison center/doctor.

**Inhalation:** Data not available.

**Skin contact:** Wash with plenty of water and mild soap. Take off contaminated clothing and wash it before reuse.

**Eye contact:** Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

**Ingestion:** Call a poison center, or doctor if you feel unwell.

**(b) Most important symptoms and effects, both acute and delayed:**

**Ingestion:** Harmful if swallowed. May cause damage to organs.

**Inhalation:** Data not available.

**Skin contact:** Causes skin irritation.

**Eye contact:** Causes serious eye irritation.

**(c) Indication of any immediate medical attention and special treatment needed:** Data not available.

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#### SECTION 5: FIRE – FIGHTING MEASURES

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**(a) Extinguishing Media:**

**Suitable extinguishing media:** Alcohol-resistant foam, dry chemical or carbon dioxide

**Unsuitable extinguishing media:** Water stream/jet

**(b) Special hazards arising from the substance or mixture:** Fire may produce hazardous vapors, and gases.

**(c) Special protective equipment and precautions for fire-fighters:** Wear NIOSH approved self-contained respiratory protective device, and fully protective fire-fighting suit.

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#### SECTION 6: ACCIDENTAL RELEASE MEASURES

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**(a.i) Personal precautions:** Ensure adequate ventilation for general industrial environment. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe mist/ vapors/spray.

**(a.ii) Protective equipment:** Wear protective gloves.

**(a.iii) Emergency procedures:** Follow emergency procedures that are appropriate for the general industrial environment.

**(b) Methods for containment and cleaning up:** Dike and contain spill. Soak up with inert absorbent material.

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#### SECTION 7: HANDLING AND STORAGE

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**(a) Precautions for safe handling:** Do not ingest. Wash hands after handling. Take off contaminated clothing and wash it before reuse.

**(b) Conditions for safe storage:** Store in sealed, original plastic containers (product is hygroscopic). Store locked up.

**Incompatibilities:** Data not available.

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

Substance	CAS #	OSHA PEL		Cal/OSHA PEL	NIOSH REL	ACGIH 2015 TVL
		ppm	mg/m <sup>3</sup>	8-hour TWA (ST) STEL (C) Ceiling	Up to 10-hour TWA (ST) STEL (C) Ceiling	8-hour TWA (ST) STEL (C) Ceiling
ethylene glycol	107-21-1	Data not available	Data not available	Data not available	Data not available	Data not available
2,2'-oxydiethanol	111-46-6	Data not available	Data not available	Data not available	Data not available	Data not available
Dipropylene Glycol Monomethyl Ether	34590-94-8	100	600	100 ppm (ST) 150 ppm	100 ppm (ST) 150 ppm	100 ppm (ST) 150 ppm
1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-oxo-1-(4-sulfophenyl)-4-[(4-sulfophenyl)azo]-, reaction products with guanidine hydrochloride N,N'-bis(mixed Ph, tolyl and xylyl) derivs.	71077-14-0	Data not available	Data not available	Data not available	Data not available	Data not available
disulfo copper phthalocyanine amine salt	1328-51-4	Data not available	15	Data not available	Data not available	10 mg/m <sup>3</sup> TWA total dust 3 mg/m <sup>3</sup> respirable
Dye colorant Gans ID 243-52	TS	Data not available	15	Data not available	Data not available	10 mg/m <sup>3</sup> TWA total dust 3 mg/m <sup>3</sup> respirable
Security pigment, Gans ID C-1082	TS	Data not available	5	Data not available	Data not available	.1 mg/m <sup>3</sup> TWA total dust .02 mg/m <sup>3</sup> respirable
Silicic acid (H4SiO4), zinc salt (1:2), manganese-doped	68611-47-2	Data not available	Data not available	Data not available	Data not available	Data not available
2,2'-oxydiethanol	111-46-6	Data not available	Data not available	Data not available	Data not available	Data not available
Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with bentonite and bis(hydrogenated tallow alkyl)dimethylammonium chlorides	71011-25-1	Data not available	Data not available	Data not available	Data not available	Data not available

**(b) Appropriate engineering controls:**

**Ventilation requirements:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

**General protective measures:** Ensure that eye flushing /eye wash stations, and hand washing areas are accessible.

**(c) Personal protective equipment:**

**Inhalation:** Use protective equipment appropriate for the general industrial environment.

**Skin Contact:** Wear protective gloves. Ansell Chemical Resistance Guide, 7<sup>th</sup> Edition recommends the following glove materials for use with ethylene glycol CAS# 107-21-1: Laminate film, Barrier; Nitrile, Solvex; Unsupported Neoprene, 29-865; Polyvinyl Chloride, Snorkel.

**Eye Contact:** Wear eye protection, and face protection. Eye and face protective devices must comply with ANSI Z87.1-1989. Recommended eye protection: full face shield.

**Ingestion:** Avoid eating, drinking, or smoking in work area and wash hands after handling this product.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**(a) Appearance (physical state, color):** Paste or gel, colored or white

**(b) Odor:** Data not available

**(c) Odor threshold:** Data not available

**(d) pH:** Data not available

**(e) Melting point/ freezing point:** 14 °F (- 10 °C) Estimated

**(f) Initial Boiling point / Range:** 257 °F (125 °C) Estimated

**(g) Flashpoint:** 289 °F (143 °C) Estimated

**(h) Evaporation Rate:** Data not available

**(i) Flammability (solid/ gas):** Data not available

**(j) Upper/ lower flammability explosion limits:** Data not available

**(k) Vapor Pressure:** < 1 mmHg (< 1hPa) @ 68 °F (20 °C) Estimated

**(l) Vapor Density (Air = 1):** > 1.0

**(m) Relative Density (H<sub>2</sub>O = 1):** 1.12 Estimated

**(n) Solubility:** Data not available

**(o) Partition coefficient n- Octanol/ Water:** Data not available

**(p) Auto-ignition temperature:** Data not available

**(q) Decomposition temperature:** Data not available

**(r) Viscosity:** Data not available

**Other properties**

**VOC % (wt.):** < 30 Estimated

**VOC (lbs./gal):** < 2.80 Estimated

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**SECTION 10: STABILITY AND REACTIVITY INFORMATION**

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**(a) Reactivity:** Not reactive under normal storage conditions. See Section 7.

**(b) Chemical stability:** Mixture is chemically stable under normal storage and handling conditions, and under normal temperatures and pressures.

**(c) Possibility of hazardous reactions:** No data available

**(d) Conditions to avoid:** Keep away from open flames, sparks, hot surfaces and sources of ignition.

**(e) Incompatible materials:** Strong oxidizing agents, strong acids, and zinc.

**(f) Hazardous decomposition product:** Data not available

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**(a) Likely routes of exposure:** Skin contact, eye contact, inhalation, ingestion.

**(b) Symptoms related to physical, chemical, and toxicological characteristics:**

**Skin contact:** Causes skin irritation. **Eye contact:** Causes serious eye irritation.

**Inhalation:** Not classified as Hazardous

**Ingestion:** Harmful if swallowed.

**(c) Delayed and immediate effects, and chronic effects from long-term exposure**

May cause damage to organs.

**(d) Numerical measures of toxicity, acute:**

Substance	CAS # (TS= trade secret)	Oral	Inhalation	Dermal
ethylene glycol	107-21-1	LD50 7712 mg/kg bw (rat)	LC50 (6 h) 2.5 mg/L air (rat)	LD50 3500 mg/kg bw (mouse)
2,2'-oxydiethanol	111-46-6	LD50 12,565 mg/kg bw (rat)	Data not available	LD50 11,980 mg/kg bw (rabbit)
Dipropylene Glycol Monomethyl Ether	34590-94-8	LD50 5000 - 5230 mg/kg bw (rat)	LC0 (7 h) 275 ppm (rat)	LD50 19,020 mg/kg bw (rat)
Dye colorant	71077-14-0	Data not available	Data not available	Data not available
disulfo copper phthalocyanine amine salt	1328-51-4	Data not available	Data not available	Data not available
Dye colorant Gans ID 243-52	TS	Data not available	Data not available	Data not available
Security pigment, Gans ID C-1082	TS	Data not available	Data not available	Data not available
Silicic acid (H4SiO4), zinc salt (1:2), manganese-doped	68611-47-2	LD50 >5000 mg/kg bw (rat)	Data not available	Data not available
Rheology agent	71011-25-1	LD50 >5000 mg/kg bw (rat)	Data not available	LD50 >2000 mg/kg bw (rat)

**(e) Carcinogens information:**

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as Group 1 (Carcinogenic to humans), Group 2A (Probably carcinogenic to humans), or Group 2B (Possibly carcinogenic to humans) by IARC.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP (13<sup>th</sup> Report on Carcinogens).

**OSHA:** No data available

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**SECTION 12: ECOLOGICAL INFORMATION**

**(a) Ecotoxicity**

**Classification of mixture:** Not classified

**(b) Persistence and degradability:** No data available

**(c) Bioaccumulative potential:** No data available.

**(d) Mobility in soil:** No data available

**(e) Other adverse effects:** No known adverse effects

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**SECTION 13: DISPOSAL CONSIDERATIONS**

Dispose of contents/container in accordance with local/regional/national regulations. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

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## SECTION 14: TRANSPORT INFORMATION

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**US DOT (Ground):** Not regulated as a dangerous good

**(a) UN number:** Not regulated as a dangerous good

**(b) UN Proper Shipping Name:** Not regulated as a dangerous good

**(c) Transport hazard class:** Not regulated as a dangerous good

**(d) Packing Group:** Not regulated as a dangerous good

**(e) Environmental hazards:** Not regulated as a dangerous good

**(f) Transport in bulk**

**MARPOL 73/78:** Not regulated as a dangerous good

**IBC:** Not regulated as a dangerous good.

**(g) Special Precautions:** None known

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## SECTION 15: REGULATORY INFORMATION

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### U.S. Federal Regulations

**TSCA Section 8(b) Inventory Status:** All ingredients of this mixture are listed on the TSCA Inventory

**EPCRA, Section 302 – Extremely hazardous substances:** This mixture does not contain listed materials.

**CERCLA Hazardous Substances:**

- ethylene glycol CAS 107-21-1; RQ = 5000

**EPCRA Section 313 Toxic Chemicals:** This mixture does not contain listed materials.

- ethylene glycol CAS 107-21-1

**CAA 112(r) Regulated Chemicals for Accidental Release Prevention:** This mixture does not contain listed materials.

**Hazardous Air Pollutants (HAP):** This mixture does not contain listed materials

- ethylene glycol CAS 107-21-1

### U.S. State Regulations

**Pennsylvania Right to Know:** No data available

**New Jersey Right to Know:** No data available

**California Proposition 65:** WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm:

- ethylene glycol CAS 107-21-1 (ingested, developmental)

**Canadian Environmental Protection Act:**

**WHMIS Classification:** No data available

**European Chemical Agency (ECHA):** No data available

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## SECTION 16: OTHER INFORMATION

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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.