



GANS INK
& SUPPLY CO.

Safety Data Sheet

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

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

1.1 Product Identifier

Product Name: GANS Pyro-jet Polyamide 4 Color Process Series
GANS Item ID: **F-7200 – F-7203**
SDS Number: 204.3
Product Type: Water-base Ink Jet Sublimation

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

Product Use: Ink -Jet ink for transfer printing
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

SECTION 2: HAZARDS IDENTIFICATION

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).

Considered an eye irritant

Classification under CLP: Not Classified

Serious Eye damage/ eye irritation Category 2A H319



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Specific target organ toxicity: H-319 STOT SE3 Causes serious eye irritation

The most important adverse environmental effects: No Data available

Biodegradability (Product): No Data available

Bioaccumulation (Product) : No Data available

Toxicity to fish (Product): No Data available

2.2 Label elements

Hazard Pictograms:



GHS08 Health Hazard

Signal Word (S): Warning Repr.2 H361 Suspected of damaging fertility or the unborn child.

Xi: Eye Irritant

Hazard Statements:

Serious Eye damage/ eye irritation Category 2A H319

Causes skin irritation Category 2 H315

May cause respiratory irritation Category 3, H335

Precautionary Statement-

P261: Avoid breathing dust/vapors/mist/ fumes.

P 262: Do not get in eyes, on skin, or on clothing.

P264: Wash hands thoroughly after handling.

2.3 Other hazards

None known

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture

<u>CAS# / EC#</u>	<u>REACH No.</u>	<u>% by weight</u>		<u>Substance Name</u>	<u>Classification</u>
56-81-5	# 200-289-5	10.0 - 50.0		Glycerol	Not Classified
68512-34-5		5.0 - 10.0		Lignosulfonic acid, sodium salt, Sulfomethylated	Xi, R36/37, Eye Irrit. 2A, H319; STOT SE 3 H335,
57-55-6	# 200-338-0	1.0 - 2.5		propane- 1,2-diol	Not Classified
2475-44-7	# 219-602-1	1.0 - 2.5		1, 4-Bis(methylamino)anthraquinone	Xi R36/37/38 Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3 H335

SECTION 4: FIRST AID MEASURES

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 15 minutes or until material is removed.

Ingestion: P301, P331; keep at rest. Do not induce vomiting.

4.1.1

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

Following skin contact: P332, P313; Get medical attention if irritation develops and persists. After skin contact, Do not use solvents or thinners.

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

Following Ingestion: P310; Seek immediate medical attention.

General Information: In all cases of doubt, when symptoms persist seek medical attention. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Over – exposure signs / symptoms

Eyes: No data available.

Ingestion: No data available.

Inhalation: No data available

Skin sensitization: Prolonged or repeated contact may result in 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: No data available.

SECTION 5: FIRE – FIGHTING MEASURES

5.1 Extinguishing Media:

Suitable extinguishing media: Use CO2, Dry chemical extinguishing media or water spray. Fight large fires with water spray or alcohol resistant foam.

Unsuitable extinguishing 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: Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for fire-fighters:

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Collect contaminated fire fighting water separately. It must not enter the sewage system.

Water may be used to cool containers exposed to heat or flame.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation. Move leaking containers to 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. Contain and collect spillage with non-combustible absorbent material such as vermiculite, sand etc. and place in a suitable container for disposal.

Small spills: Stop leak and ventilate area. Absorb spills with non-combustible absorbent liquid binding material such as vermiculite, sand, diatomite, 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 Sections: **5.2, 7, 8,** and Section **13** of the SDS.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

7.1.1 Protective measures: Ensure good ventilation to maintain concentrations below the specific exposure or flammable limits. 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 cool, dry and well-ventilated area. Use only containers specifically designed for this product. Store between 50–90°F (10.0- 32.2°C). Protect from heat and direct sunlight.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Exposure Guidelines

<u>Material</u>	<u>CAS #</u>	<u>Exposure Limits</u>	<u>Basis</u>
Glycerol	56-81-5	total mist 15 mg/m ³ Respirable Fraction 5mg/m ³ Insufficient data	OSHA PEL/TWA OSHA PEL/TWA ACGIH TLV/TWA
Lignosulfonic acid, sodium salt, sulfomethylated	68512-34-5	Not Established Not Established	OSHA/ PEL ACGIH TLV/TWA
Propane-1,2-diol	57-55-6	Not Established Long term value: 10 mg/m ³	OSHA/ PEL WEEL
1,4-Bis(methylamino) anthraquinone		Not Established	OSHA/ PEL

Immediately Dangerous to Life or Health Concentrations (IDHL): No data available.

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 (neoprene, latex, nitrile, viton) 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: Wear plastic face shield or splash-proof safety glasses or goggles. Eye wash stations are recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Liquid

Color: Yellow, Red, Cyan, Black

Odor: Slight, Weak

pH: 8 - 9

Melting point/ freezing point; Not determined

Boiling point / Range: 212 - 392°F (100 - 200°C)

Flashpoint > 212 °F (100 °C)

Ignition temperature: > 572 °F (> 300°C)

Evaporation Rate: Not determined

Flammability (solid/ gas): Not applicable

Upper/ lower flammability explosion limits: Not applicable..

Vapor Pressure at 20°C (mm Hg @ 68°F): 17 mm Hg (23 hPa)

Vapor Density (Air = 1): Not determined

Relative Density (H₂O = 1): 1.012 - 1.092

Solubility in Water: Miscible

n- Octanol/ Water: Not determined

Auto-ignition temperature: Product is not self igniting

Decomposition temperature: Not determined

Viscosity, dynamic: Not determined

Viscosity at 20 °C (68°F): 4- 5 mPas

Explosive properties: Product does not present an explosion hazard

Oxidizing properties: Not determined

9.2 Other Information

Density (lbs/ gal): 9.096 - 9.18

VOC: 0

% volatile: 0

SECTION 10: STABILITY AND REACTIVITY INFORMATION

10.1 Reactivity: Stable under recommended storage and handling conditions.

10.2 Chemical Stability: Stable under recommended storage and handling 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 open flames, hot surfaces and sources of ignition. Ideal storage temperature between 50- 90 °F (10.0- 32.2°C)

10.5 Incompatible materials: Avoid strong oxidizing agents.

10.6 Hazardous Decomposition Products: CO₂, CO, and nitrogen oxides (NO_x) may be generated as products of combustion.

SECTION 11: TOXICOLOGICAL INFORMATION



11.1 Information on toxicological effects

Acute Toxicity: There is no experimentally determined data available on the preparation itself. The product is considered to be an eye irritant.

Components: No data available.

Carcinogenicity:

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 known or anticipated carcinogen by ACGIH (American Conference of Governmental Industrial Hygienists).

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity: At present there are no ecotoxicological assessments 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.

General Notes: Do not allow product to reach ground water, water course or sewage system.

SECTION 13: DISPOSAL CONSIDERATIONS

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 contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning. Packaging that cannot be cleansed are to be disposed of in the same manner as the product.

Waste codes/ waste designations according to LoW: No data available.

SECTION 14: TRANSPORT INFORMATION

US DOT (Ground): Not Regulated
14.1 UN number: None
14.2 UN Proper Shipping Name: Not Hazardous Liquid
14.3 Transport hazard class: None
14.4 Packing Group: None
14.5 Environmental hazards: None

IMDG (Sea): Not Regulated
UN number: None



UN Proper Shipping Name: Not Hazardous Liquid
Transport hazard class: None
Packing Group: None
Environmental hazards: None
Marine pollutant: No

ICAO/ IATA (Air): Not Regulated
UN number: None
UN Proper Shipping Name: Not Hazardous Liquid
Transport hazard class: None
Packing Group: None
Environmental hazards: None

Special precautions for user: Not applicable

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

Transport / Additional Information: Not Hazardous according to the above specifications.

National Fire Protection: IIIB

SECTION 15: REGULATORY INFORMATION

TSCA Section 8(b) Inventory Status:

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

Association (NFPA) Classification: 1 1 0

HMIS Classification: Health hazard: 1
Flammability: 1
Reactivity: 0
PPE: 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 1986 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 355 (Extremely Hazardous substances): None of the ingredients are listed.

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 – No
Immediate (acute) Health Hazard – YES



Delayed (chronic) Health Hazard – No

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

SARA 302 Reportable Quantity: This material does Not contain any components with a SARA 302 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: Listed on Domestic Substance List

SECTION 16: OTHER INFORMATION

Hazard Symbols:  Irritant

Hazard statements

H315: Causes skin irritation

H319: Irritating to eyes

H 335: May cause respiratory irritation

Risk Phrases:

R36/37/ 38: Irritating to eyes, skin and respiratory.

Origination Date: 12-21-09

Revision date: 5-1-2014

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.

C

Safety Glasses
Gloves
Apron

