



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

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

1.1 Product Identifier

Product Name: PYRO-SOFT 4 Color Series

GANS Item ID: **F-9500 C, M, Y, K**

SDS Number: 204.6

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).

Classification under CLP: Skin Sensitization Category 1 H317

Classification according to Directive 67/548/EEC

R43 May cause sensitization by skin contact

Specific target organ toxicity: Not determined

The most important adverse environmental effects: No Data available

Biodegradability (Product): No Data available

Bioaccumulation (Product) : No Data available



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Toxicity to fish (Product): No Data available

2.2 Label elements

Hazard Pictograms:



Signal Word (S): Warning
X Irritant

Hazard Statements:

H317 May cause an allergic skin reaction
H319: Causes eye irritation

Precautionary Statement-

P261: Avoid breathing dust/vapors/mist/ fumes.
P280: Wear protective gloves/protective clothing/eye protection / face protection
P 263: Wash contaminated clothing before reuse

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>
Proprietary	Proprietary	10 – 80.0	Reactive Dye	R43, H317, H319
56-81-5	200-289-5	20 – 80.0	Glycerol	Not Classified,
7732-18-5	231-791-2	20 – 80.0	Water	Not Classified

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, 352, Remove contaminated clothing. Wash contaminated area thoroughly with soap and water for at least 15 minutes or until material is removed.

Eye contact: P305, P351, P338; immediately flush eyes with large amounts of water, remove contact lenses if present and easy to do. Occasionally lift upper and lower eyelids Continue flushing for 20 minutes or until material is removed.

Ingestion: P301, P331, P330; if swallowed, do not induce vomiting. Gently rinse mouth with water and give 2-4 cupfuls of water or milk to drink. Never give anything by mouth to an unconscious person.

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 advice if cough or other symptoms appear.

Following skin contact: P333, P313; Get medical attention if irritation or rash 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

Eyes: Direct contact may cause irritation.

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: Water fog or fine spray, dry chemical, carbon dioxide, alcohol resistant foam (ACT type) is preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.

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:

Dense smoke may be generated while burning; carbon dioxide, carbon monoxide, nitrogen oxide may be generated as products of combustion which may be toxic and/ or irritating.

5.3 Advice for fire-fighters:

Wear positive pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing to prevent contact with skin and eyes. Immediately withdraw all personnel from area and isolate fire. Fight fire from a protected and safe distance. Eliminate all ignition sources. Water can 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. Keep away from all ignition sources, open flame and heat. 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 material such as vermiculite, sand etc. and place in a suitable container for disposal. Dispose of according to local, state and Federal regulations. Do not allow to enter sewers, waterways or drains.

6.4 Reference to other sections: Refer to section 5.2 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. Avoid contact with eyes, skin, and clothing. Avoid breathing of vapor. 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. Store between 50 °F – 90 °F (10°C- 32.2 °C) Keep away from sources of ignition, open flame, heat and sparks. Keep away from oxidizing agents and strongly acid or alkaline materials. Avoid exposure to direct sunlight and UV fluorescent light.

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

Immediately Dangerous to Life or Health Concentrations (IDLH)

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 (Butyl rubber, latex, neoprene, 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: 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Aqueous Liquid

Color: Yellow, Red, Cyan, Black

Odor: Odorless

pH: 4 - 8

Melting point/ freezing point; Not determined

Boiling point / Range: No Data available

Flashpoint: No Data available

Evaporation Rate: No Data available
Flammability (solid/ gas): Not Data available
Upper/ lower flammability explosion limits: Not determined
Vapor Pressure (mm Hg @ 68°F): Not Data available
Vapor Density (Air = 1): Not Data available
Relative Density (H₂O = 1): 1.10
Solubility in Water: Soluble
n- Octanol/ Water: Not determined
Auto-ignition temperature: Product is not self igniting
Decomposition temperature: Not determined
Viscosity, dynamic@ 25°C (77 °F): 3 – 4 cP
Explosive properties: Not determined
Oxidizing properties: Not determined

9.2 Other Information

Density: 9.16

VOC: 0

% volatile: 0

SECTION 10: STABILITY AND REACTIVITY INFORMATION

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 heat, open flames, hot surfaces and sources of ignition. Do Not store above 50 – 90 °F (10 - 32.2 °C) Avoid direct sunlight and UV light.

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

10.6 Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, and nitrogen oxides (NO_x), other toxic gases and vapors may be generated as products of combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity: No data available on complete product.

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

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity: No data available on complete product or components. As with all chemicals and products donot allow product to enter sewers, drains or waterways.



- 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.

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 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.

SECTION 14: TRANSPORT INFORMATION

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

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

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

National Fire Protection: IIIB

MARPOL 73/78: No data available

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: Health: 1 Fire: 0 Reactivity: 1



HMIS Classification: Health hazard: 1
Flammability: 0
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 – No
Immediate (acute) Health Hazard – Yes
Delayed (chronic) Health Hazard – No

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:

X: Irritant

Hazard statements

H317 May cause an allergic skin reaction

H319: Irritating to eyes

Risk Phrases:

R43: May cause sensitization by skin

Origination 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

