



GANS INK
& SUPPLY CO.

Safety Data Sheet

In compliance with Regulation (EC) No 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 453/2010

Origination date: 3-21-2014

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

1.1 Product Identifier

Product Name: S-1893 AQ Coating Satin AQ-83

SDS Number: 140

Product Type: Aqueous Satin Coating

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

Product Use: Coating for Lithographic Offset 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: Hazardous

Hazard Summary: Skin Category 3 H316, Eye Category 2B H320, Respiratory Category 5 H335

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

Toxicity to fish (Product): No Data available



GANS INK
& SUPPLY CO.

Form: Aqueous Solution
Color: Off White
Odor: Ammoniacal

2.2 Label elements

Hazard Pictograms:



Signal Word (S): Warning
X Irritant

Hazard Statements:

Causes eye irritation Category 2A H319
Causes skin irritation Category 3 H316
May be harmful if swallowed H303
May cause respiratory irritation H335

Primary Routes of Entry: Eyes, Skin contact, Inhalation
Aggravated Medical Condition: None Expected
Inhalation: May cause irritation of the mucous membranes.

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

Do Not store above 100 °F. or below 40 F (4 °C – 37 °C). Keep from freezing.

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		5.0 - 10.0	Wax	
7631-86-9	EC# 231-545-4	1.0 -5.0	Silicon dioxide	H319, 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: P303, 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, also under eyelids. Remove contact lenses if present and easy to do, and continue flushing for 15 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, 363: Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.

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: No data available.

Inhalation: No data available

Skin sensitization: No data available.

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

General Advice: Get medical attention immediately if symptoms occur. Treat symptomatically.

SECTION 5: FIRE – FIGHTING MEASURES

5.1 Extinguishing Media:

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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, sulfur and other oxides may be generated as products of combustion.

5.3 Advice for fire-fighters:

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

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. 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. Clean up with a suitable solvent.

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.

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. Keep away from sources of ignition, open flame, heat and hot surfaces. 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 40 °F – 100 °F (4°C- 37 °C) Keep away from oxidizing agents and strongly acid or alkaline materials. Stable under normal conditions.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Exposure Guidelines

<u>Material</u>	<u>CAS #</u>	<u>Exposure Limits</u>	<u>Update</u>	<u>Basis</u>
Silicon dioxide	7631-86-9	TWA 6 mg/m ³	1989-01-19	OSHA P0
		TWA 20 million particles per cubic foot	2010-07-01	OSHA Z-3
		TWA 80 mg/m ³ : % SiO ₂	2010-07-01	OSHA Z-3
Wax	_____	TWA 2 mg/m ³	2007-01-01	ACGIH
		TWA 2mg/m ³	2005-09-01	NIOSH REL

Immediately Dangerous to Life or Health Concentrations (IDLH)

No Data.

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 impervious gloves when handling products. Long sleeved clothing and or chemical resistant apron for protection when handling product.

Eye Protection: Safety glasses with side shields or splash-proof safety glasses / goggles are recommended. Eye wash stations are recommended.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Always wash hands and face with soap and water before eating, drinking, and smoking.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Aqueous solution

Color: Milky off white

Odor: ammoniacal

pH: 8.4 – 9.4

Melting point/ freezing point: Not determined

Boiling point / Range: > 212 °F (> 100 °C)

Flashpoint: > 200.1 °F (> 93.4 °C)

Evaporation Rate: No Data

Flammability (solid/ gas): Not Data

Upper/ lower flammability explosion limits: Not determined

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

Vapor Density (Air = 1): No data

Relative Density (H₂O = 1): 1.044 at 77 °F (25 °C)

Solubility in Water: Soluble

n- Octanol/ Water: Not determined

Auto-ignition temperature: Product is not self igniting

Decomposition temperature: Not determined

Viscosity, dynamic: Not determined

Explosive properties: Not determined

Oxidizing properties: Not determined

9.2 Other Information

Bulk Density: 8.70

VOC: 0.13

% volatile: 1.51

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 conditions or materials.

10.4 Conditions to avoid: Keep away from open flames, hot surfaces and sources of ignition. Do Not store above 100 °F. or below 40 F (4 °C – 37 °C).

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

10.6 Hazardous Decomposition Products: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke) and nitrogen oxides (NO_x) 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.

Components: Wax:

Oral :LD50 Rat

Dose: > 2,000 mg/kg

Acute Dermal (component): LD50 No data available

Acute Inhalation (component): LC50 No data available



Skin Irritation (Product) : No data available
Eye Irritation (Product) : No data available
Sensitization (Product) : 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.

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.

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.

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.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Toxicity to fish (Product) : No data available
- 12.2 Persistence and degradability (Product) : No data available
- 12.3 Bioaccumulative potential (Product) : No data available
- 12.4 Mobility in soil (Product) : No data available
- 12.5 Results of PBT and vPvB assessment (Product) : No data available
- 12.6 Other adverse effects (Product): No known adverse effects.

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 Dangerous 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 Dangerous 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

ICAO/ IATA (Air): Not Dangerous 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
Association (NFPA) Class

SECTION 15: REGULATORY INFORMATION

TSCA Section 8(b) Inventory Status:

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

HMIS Classification: Health hazard: 2
Flammability: 1
Physical & Chemical Hazards: 0
Reactivity: 1
PPI: 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

CERCLA Reportable Quantity: This material does not contain any components with a CERCLA RQ.

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



MA= Massachusetts Right -To – Know:

Wax

Silicon dioxide 7631-86-9

PA= Pennsylvania Right- To- Know List

Water 7732-18-5

Hydroxypropyl acrylate, acrylic acid polymer, ammonium salt

Acrylic Resin

2-Propenoic acid, 2 methyl- methyl ester

polymer with ethyl 2- propanoate 9010-88-2

Wax

Surfactant

Silicon dioxide 7631-86-9

Isopropanol 67-63-0

Sodium Hydroxide 1310-73-2

Zinc Compounds 1314-13-2

Ammonia Hydroxide 1336-21-6

Sodium sulphate 7757-82-6

NJ= New Jersey Right – To- Know List

Water 7732-18-5

Hydroxypropyl acrylate, acrylic acid polymer, ammonium salt

Acrylic Resin

2-Propenoic acid, 2 methyl- methyl ester

polymer with ethyl 2- propanoate 9010-88-2

Wax

Silicon dioxide 7631-86-9

California Proposition 65:

This product does not contain any chemicals known by the state of California to cause cancer, birth defects 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

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

SECTION 16: OTHER INFORMATION

Hazard Symbols:

X: Irritant

Xn: Harmful

Hazard statements

H316: Causes mild skin irritation

H320: Causes eye irritation

H 303: May be harmful if swallowed

Risk Phrases:

R22: Harmful if swallowed

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



C

Safety Glasses
Gloves
Apron



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.