



GILDERS SPECIALTY PRODUCTS

SAFETY DATA SHEET

Published Date

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Revision Number
4

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product code 1-S Series
Product name Back-up Silver
Product category Gold leaf Back-up Enamel Screen Ink

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Printing operations

Details of the supplier of the safety data sheet

UNITED STATES

Gilders Specialty Products
60480 Christy Lane
Angie, La 70426
Tel: 1-800-531-3359
www.gildersspecialtyproducts.com

Emergency telephone number

USA: Chemtrec: +001-800-424-9300
Outside USA: Chemtrec: +001-703-527-3887
24 Hour Emergency Phone Number

2. HAZARDS IDENTIFICATION

Classification

Skin sensitization	Category 1 - (H317)
Carcinogenicity	Category 1B - (H350)
Aspiration toxicity	Category 1 - (H304)
Chronic aquatic toxicity	Category 3 - (H412)
Flammable liquids	Category 3 - (H226)

Label elements

**Signal Word**

Danger

Hazard Statements

H317 - May cause an allergic skin reaction

H350 - May cause cancer

H304 - May be fatal if swallowed and enters airways

H412 - Harmful to aquatic life with long lasting effects

H226 - Flammable liquid and vapor

Precautionary Statements

P201 - Obtain special instructions before use

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor

P308+P313 - IF exposed or concerned: Get medical advice/attention

P331 - Do NOT induce vomiting

P403+P235 - Store in a well-ventilated place. Keep cool

P501 - Dispose of contents/container in accordance with local regulations

3. COMPOSITION/INFORMATION ON INGREDIENTS
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Mixture

Solvent-based screen ink (back-up paint).

Component	CAS-No	Weight %	Trade Secret	Note
Titanium dioxide	13463-67-7	30 - 60	*	
Petroleum distillates, hydrotreated light	64742-47-8	10 - 30	*	
Talc	14807-96-6	5 - 10	*	
Solvent naphtha, petroleum, heavy aromatic	64742-94-5	5 - 10	*	
Solvent naphtha, petroleum, light aromatic	64742-95-6	1 - 5	*	
1,2,4-Trimethylbenzene	95-63-6	0.1 - 1	*	
2-Butanone, oxime	96-29-7	0.1 - <1	*	

Naphthalene	91-20-3	0.1 - <1	*	
Additive (proprietary)	Not available	0.1 - <1	*	
1,3,5-Trimethylbenzene	108-67-8	0.1 - <1	*	
Cobalt compounds	Not available	0.1 - <1	*	
Cumene	98-82-8	0.1 - <1	*	

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

General Advice

Show this safety data sheet to the doctor in attendance.

Eye Contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops and persists.

Skin Contact

Wash off immediately with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. If irritation (redness, rash, blistering) develops, get medical attention.

Inhalation

Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Get medical attention immediately.

Ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction. May cause cancer. May be fatal if swallowed and enters airways. Causes mild skin irritation.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Foam. Carbon dioxide (CO₂). Dry chemical. Water spray.

Unsuitable Extinguishing Media

No information available.

Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating gases and vapors. May emit toxic fumes under fire conditions.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers / tanks with water spray. Sealed containers may rupture when heated.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Remove all sources of ignition. Ventilate the area. Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental precautions

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways.

Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Use clean non-sparking tools to collect absorbed material.

7. HANDLING AND STORAGE**Precautions for safe handling****Handling**

Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. Keep away from heat, sparks, open flames and hot surfaces. No smoking.

Conditions for safe storage, including any incompatibilities**Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep container closed when not in use. Keep out of the reach of children.

Incompatible Products

Strong acids. Strong bases. Strong oxidizing agents. Reducing agent.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Exposure limits**

Component	ACGIH TLV	OSHA PEL
Talc 14807-96-6	TWA: 2 mg/m ³	TWA: 2 mg/m ³ respirable dust (vacated)
Titanium dioxide 13463-67-7	TWA: 0.2 mg/m ³ nanoscale; TWA: 2.5 mg/m ³ finescale respirable	TWA: 15 mg/m ³ total dust

	particulate matter	
1,2,4-Trimethylbenzene 95-63-6	TWA: 10 ppm	—
1,3,5-Trimethylbenzene 108-67-8	TWA: 10 ppm	—
Naphthalene 91-20-3	TWA: 10 ppm Skin	TWA: 10 ppm TWA: 50 mg/m ³
Cumene 98-82-8	TWA: 5 ppm	TWA: 50 ppm TWA: 245 mg/m ³ Skin

Appropriate engineering controls**Engineering Measures**

Provide a good standard of general ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

Wear safety glasses with side shields (or goggles). If splashes are likely to occur, wear suitable face shield. Ensure that eyewash stations and safety showers are close to the workstation location.

Skin Protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash hands before eating, drinking or smoking. Wash contaminated clothing before reuse. Avoid contact with eyes, skin and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES
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Information on basic physical and chemical properties

Physical State	Liquid	Appearance	Silver-white pigmented liquid
Odor	Characteristic solvent odor	Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	
Melting Point / Freezing Point	No data available	
Boiling Point / Boiling Range	>149 °C / 300 °F	
Flash Point	43 °C / 110 °F, Setaflash closed	

	cup
Evaporation rate	No data available
Flammability Limit in Air	
Upper flammability limit	No data available
Lower flammability limit	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	Approx. 1.35
Water Solubility	No data available
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available
Explosive Properties	Vapours may form explosive mixtures with air
Oxidizing Properties	No data available
VOC Content	~376 g/L (less water)

10. STABILITY AND REACTIVITY

Reactivity

No information available.

Chemical stability

Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents. Reducing agent.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	No specific test data for the mixture is available.
Eye Contact	No specific test data for the mixture is available.
Skin Contact	May cause an allergic skin reaction (based on components).
Ingestion	May be fatal if swallowed and enters airways (based on components).

Information on toxicological effects

Symptoms	May cause an allergic skin reaction. May cause
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cancer (based on components). May be fatal if swallowed and enters airways (based on components).

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity	No specific test data for the mixture is available.
Skin corrosion/irritation	Causes mild skin irritation (based on components).
Eye damage/irritation	No specific test data for the mixture is available.
Sensitization	May cause an allergic skin reaction (based on components).
Mutagenic Effects	No specific test data for the mixture is available. May cause cancer (based on components).
Carcinogenic effects	Contains titanium dioxide (IARC Group 2B), naphthalene and cumene (IARC Group 2B; NTP reasonably anticipated).
Reproductive Effects	No specific test data for the mixture is available.
STOT - single exposure	No specific test data for the mixture is available.
STOT - repeated exposure	No specific test data for the mixture is available.
Aspiration hazard	May be fatal if swallowed and enters airways (based on components).

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity	No specific test data for the mixture is available.
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12. ECOLOGICAL INFORMATION**Ecotoxicity**

Harmful to aquatic life with long lasting effects (based on components).

Persistence and Degradability

No data available for the mixture.

Bioaccumulation

No data available for the mixture.

Other adverse effects

Do not allow to enter drains or waterways.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Waste Disposal Methods**

Dispose of contents and container in accordance with all applicable federal, state and local regulations. Do not pour into drains or waterways. Empty containers retain vapour and product residue - handle with the same precautions. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Contaminated Packaging**14. TRANSPORT INFORMATION**

Note:

This information is not intended to convey all specific transportation requirements relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation information can be found in the specific regulations for your mode of transportation. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

In the U.S. and Canada, this material may be reclassified as a combustible liquid and is not regulated, via surface transportation, in containers less than 119 gallons or 450 liters [per 49 CFR 173.150(f)].

DOT

UN/ID no.	UN1210
Proper Shipping Name	Printing Ink
Hazard Class	3
Packing Group	III

ICAO / IATA / IMDG / IMO

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15. REGULATORY INFORMATION

International Inventories

All components are listed on the TSCA Inventory. For further information, please contact: . Supplier (manufacturer/importer/downstream user/distributor).

U.S. Federal Regulations**OSHA**

Classified as hazardous under 29 CFR 1910.1200 (HazCom 2012).

SARA Title III

This product contains 1,2,4-trimethylbenzene, naphthalene and cumene, which are subject to the reporting requirements of SARA Title III, Section 313.

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer: titanium dioxide, naphthalene, cumene.

16. OTHER INFORMATION

HMIS:

Health	Flammability	Reactivity	Personal Protection
2 *	2	0	X

Key or legend to abbreviations and acronyms used in the safety data sheet**Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA TWA (time-weighted average)

STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety & Health Administration)

X Present

Revision Date September 27-2026**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet