

Speedball Calligraphy Fountain Pen Ink

SAFETY DATA SHEET (SDS)

Version: 01

Date of Issue: November 4, 2021

According to: OSHA Hazard Communication Standard
29 CFR 1910.1200(g) Rev. 2012

Section 1 – Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name: Speedball Calligraphy Fountain Pen Ink (Black, Blue, Red, Green, Purple, Pink)
0.6 - 0.7 mL ink in each cartridge
Product Description: Colored liquid ink formulations intended for arts and crafts purposes.

1.2 Relevant identified uses of the substance or mixture

Relevant identified use(s): The product is intended for general (adults) arts and crafts purposes.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Speedball Art Products Company, LLC
2301 Speedball Rd
Statesville, NC 28677 USA
Business Phone: +1 (704) 838-1475

1.4 Emergency telephone number

Emergency Telephone: Contact the local poison control centre.

Section 2 – Hazard(s) Identification

2.1. Classification of the substance or mixture

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Health	Environmental	Physical
Not classified	Not classified	Not classified

2.2. Label elements

Label Pictogram: None

Signal Word: None

Hazard Statement: None

Precautionary Statement: None

Supplemental Hazard Information: None

2.3. Other hazards

- None

Section 3 – Composition / Information on Ingredients

Chemical Name	CAS No.	EC No.	% Concentration
Ethylene glycol	107-21-1	203-473-3	1.0% - 2.09%
Phenol	108-95-2	203-632-7	0.01% - 0.1%
Acid Black	1064-48-8	213-903-1	up to 2.0%
Eosin A	17372-87-1	241-409-6	up to 2.6%
Acid Yellow 3G	6359-82-6	228-808-0	up to 2.0%

The other ingredients in the product are either considered non-hazardous or are below their respective GHS cut-off values/concentration limits in the final product and were therefore not disclosed in the SDS.

Section 4 – First Aid Measures

4.1 Description of first aid measures

Eye contact: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and immediately flush eyes with water. Seek medical attention if in doubt.

Skin contact: No specific first aid measures are required. Wash skin thoroughly with soap and water. If skin irritation or rash occurs get medical attention. Launder contaminated clothing before reuse.

Inhalation: No specific first aid measures are required. Inhalation route of exposure is not anticipated with intended use. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Seek medical attention if in doubt.

Ingestion: No specific first aid measures are required. Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if in doubt.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to **Section 11** - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

- Not required.

Section 5 – Fire Fighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media: Use extinguishing media suitable for surrounding area if material is involved in a fire (e.g., water fog, water spray, foam, dry chemical or carbon dioxide).

Unsuitable Extinguishing Media: None known.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards:

- Container may rupture on heating. See also **Section 10** - Stability and Reactivity.

Hazardous combustion products:

- Irritating vapours or fumes may form if product is involved in fire.
- Also see **Section 10** - Stability and Reactivity.

5.3 Advice for firefighters

- Wear a self-contained breathing apparatus.

Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment (PPE) and emergency procedures

Personal Precautions: Minimize dust generation. Ventilate area if spilled in confined space or other poorly ventilated areas. Observe PPE advice in **Section 8** – Exposure Controls/Personal Protection.

Emergency Procedures: No specific precautions required. Keep unauthorized personnel away.

6.2 Environmental precautions:

- Prevent entry and contact with soil, drains, sewers, and waterways. Inform relevant local/regional/national/international authorities. Prevent further leakage or spillage if it is safe to do so.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures: Contain spill if safe to do so. Collect recoverable product and place in a designated container for recycle and/or disposal. Use care to avoid generation of mist/spray. Dispose of contents/container in accordance with local/regional/national/international regulations.

6.4 Reference to other sections

- Refer to **Section 8** - Exposure Controls/Personal Protection and **Section 13** – Disposal Considerations.

Section 7– Handling and Storage

7.1 Precautions for safe handling

- Avoid contact with eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Provide adequate ventilation. Observe good industrial hygiene practices. When using do not eat, drink or smoke. Wear appropriate personal protective equipment. Keep containers closed when not in use. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Launder contaminated clothing before reuse.
- Refer to **Section 8** - Exposure Controls/Personal Protection

7.2 Conditions for safe storage, including any incompatibilities

- Keep from freezing. Do not store in open, unlabeled or mislabeled containers. Keep container tightly closed and dry. Store away from incompatible materials. Store locked up. See **Section 10** for incompatible materials.

7.3 Specific end use(s)

- Refer to **Section 1.2** - Relevant identified uses.

Section 8– Exposure Controls / Personal Protection

8.1 Control Parameters:

Occupational exposure limits: Airborne/respirable chemicals are not foreseeable under conditions of normal use. See **Section 1** - Identification of the Substance/Mixture and of the Company/Undertaking for additional information.

8.2 Exposure Controls:

Appropriate engineering controls

- No special requirements under ordinary conditions of use and with adequate ventilation. Mechanical ventilation or local exhaust ventilation may be required.

8.3 Personal Protective Equipment

Note: Consider the concentration and amount of product at the workplace when selecting PPE.

Respiratory: No specific respiratory protection is required. If ventilation is inadequate, use an approved respirator such as a High Efficiency Particulate Air (HEPA) respirator and filter cartridge authorized by regulatory standards.

Eyes/Face: If splash/spray is likely, wear chemical safety goggles approved by appropriate regulatory standards.

Hands/Skin: If skin contact is likely, wear chemical resistant gloves. If necessary, refer to appropriate regulatory standards.

Body: If body contact is likely, wear protective clothing. If necessary, refer to appropriate regulatory standards.

Thermal Hazards: None known.

Environmental Exposure Controls: Not available.

Hygiene measures: Observe good industrial hygiene practices. Avoid contact with skin. Contaminated work clothing should not be allowed out of the workplace and should be washed before reuse. When using the product do not eat, drink or smoke.

Section 9 – Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Note: The data below are typical values and do not constitute a specification.

Appearance: Physical state: Color: Odor/Odor threshold:	Liquid Multiple colors Not available	Partition Coefficient n-octanol/water: Auto-ignition temperature:	Not available Not available
pH (as supplied):	3 - 6	Decomposition temperature:	Not available
Melting/freezing point:	≤20°C	Dynamic viscosity:	Not available
Boiling point/range:	>35°C	Molecular weight:	Not available
Flash point:	>93 °C (closed cup)	Taste:	Not available
Evaporation rate:	Not available	Explosive properties:	Non-Explosive
Flammability:	Not Flammable	Oxidizing properties:	Not Oxidizing
Upper/lower explosive limits:	Upper limit: Not combustible; Lower limit: Not combustible	Surface tension:	Not available
Vapor pressure:	Not available	Volatile component:	Not available
Water solubility:	Miscible with water	Gas group:	Not available
Vapor density (Air = 1):	Not available	pH (as solution):	Not available
Specific gravity (Water = 1):	1.04 - 1.39	VOC:	Not available
Relative density:	Not available	Particle size range:	Not available

9.2 Other information

- No data available

Section 10 – Stability and Reactivity

10.1 Reactivity

- This material is not considered to be reactive under normal handling and storage conditions.

10.2 Chemical stability

- This material is considered stable under normal handling and storage conditions.

10.3 Possibility of hazardous reactions

- Not expected to occur under normal handling and storage conditions.

10.4 Conditions to avoid

- Exposure to high temperatures
- Strong acids
- Strong bases
- Strong oxidisers

10.5 Incompatible materials

- Strong acids
- Strong bases
- Strong oxidisers

10.6 Hazardous decomposition products

- Hazardous decomposition products including but not limited to carbon monoxide, carbon dioxide, and nitrogen oxides may be released under fire conditions.

Section 11 – Toxicological Information

Likely routes of exposure: Skin contact.

Potential signs and symptoms: None expected under conditions of normal use.

Acute oral toxicity:	The product is practically non-toxic based on available animal and human use data. ATE >5000 mg/kg.
Acute dermal toxicity:	The product is practically nontoxic based on available animal and human use data.
Acute inhalation toxicity:	The product is practically nontoxic based on available animal and human use data.
Skin corrosion/irritation:	Acid Yellow 3G (CAS No. 6359-82-6) has been classified for skin irritation. The other components of this product are not skin irritants based on human and/or animal studies.
Serious eye damage/irritation:	Eosin A (CAS No. 17372-87-1) and Acid Yellow 3G (CAS No. 6359-82-6) have been classified for eye irritation. The other components of this product are not eye irritants based on human and/or animal studies.
Respiratory or skin sensitization:	Acid Black (CAS No. 1064-48-8) has been classified for skin sensitization. The other components in this product are not sensitizing to the skin or respiratory system based on human and/or animal studies.
Mutagenicity:	Phenol (CAS No. 108-95-2) has been classified for mutagenicity. The other components in this product are not classified with respect to mutagenicity based on the available data.
Carcinogenicity:	Phenol (CAS No. 108-95-2) is listed as not classifiable as to its carcinogenicity to humans (Group 3) by IARC. The other components in this product are not classified with respect to carcinogenicity by the IARC or NTP.
Reproductive Toxicity:	The components in this product are not reproductive toxicants based on human and/or animal studies.
Specific target organ toxicity (single exposure):	Acid Yellow 3G (CAS No. 6359-82-6) has been classified for specific target organ toxicity (single exposure). The other components in this product are not single exposure specific target organ toxicity hazards based on human and/or animal studies.
Specific target organ toxicity (repeated exposure):	Ethylene glycol (CAS No. 107-21-1) and Acid Black (CAS No. 1064-48-8) have been classified for specific target organ toxicity (repeated exposure). The other components in this product are not repeated exposure specific target organ toxicity hazards based on human and/or animal studies.

Aspiration hazard:

The components of this product are not aspiration hazards based on human and/or animal studies.

References:

ECHA (European Chemicals Agency). 2021. REACH Registered Substances Database.

<https://echa.europa.eu/search-for-chemicals>

IARC (International Agency for Research on Cancer). 2021. Agents Classified by the IARC Monographs, Volumes 1–129.

<https://monographs.iarc.who.int/list-of-classifications/>

NTP (National Toxicology Program). 2016. Report on Carcinogens, Fourteenth Edition.; Research Triangle Park, NC: U.S. Department of Health and Human Services, Public Health Service. <https://ntp.niehs.nih.gov/go/roc14>

Section 12 – Ecological Information

12.1 Toxicity

- This product is not expected to be harmful or toxic to aquatic life.

12.2 Persistence and degradability

- No data available for the other components of the product.

12.3 Bioaccumulative potential

- No data available.

12.4 Mobility in Soil

- No data available.

12.5 Results of PBT and vPvB assessment

- No data available.

12.6 Other adverse effects

- No further data available.

Section 13 – Disposal Considerations

13.1 Waste treatment methods

Preparing wastes for disposal: Use product for its intended purpose or recycle if possible. Waste should not be disposed of by release to sewers. Dispose of waste in accordance with local, regional, national, and/or international regulations.

Section 14 – Transport Information

Note: This product is not regulated as dangerous goods for transport. Review classification requirements before shipping materials to high temperatures.

14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es):	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	None
14.6 Special precautions for user	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

United States

Federal Regulations:

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):

Clean Water Act (CWA): No components in this product are listed as toxic pollutants.

Clean Air Act (CAA): No components in this product are listed under the CAA.

Superfund Amendments and Reauthorization Act (SARA) Title III Information:

SARA 302 Components: No components in this product are subject to reporting requirements of S.302.

SARA 304 Emergency Release Notification: None.

SARA 311/312 Hazards: None.

SARA 313 Components: No components in this product are subject to reporting requirements of S.313.

Toxic Substances Control Act (TSCA): TX-10 (CAS No. 14409-72-4) is not listed on the non-confidential TSCA inventory. All other components are listed on the non-confidential TSCA inventory or are exempt.

State Regulations:

New Jersey 2010 Right to Know Hazardous Substance List: Ethylene glycol (CAS No. 107-21-1), glycerin (listed as glycerin) (CAS No. 56-81-5), phenol (CAS No. 108-95-2), sodium hydroxide (CAS No. 1310-73-2), and Acid Blue No.1 (listed as C.I. Acid Blue 1) (CAS No. 129-17-9) are present in the product formulation and are listed on the right to know list. No other components in this product are listed.

Washington Chemicals of High Concern to Children List: Ethylene glycol (CAS No. 107-21-1) and phenol (CAS No. 108-95-2) are present in the product formulation and are listed on the Chemicals of High Concern to Children list. No other components in this product are listed.

California Proposition 65: Ethylene glycol (ingested) (CAS No. 107-21-1) is present in the product formulation and is listed on the California Proposition 65 List. No other components in this product are listed.

Minnesota Chemicals of High Concern and Priority List: Ethylene glycol (ingested) (CAS No. 107-21-1), phenol (CAS No. 108-95-2) and sodium hydroxide (CAS No. 1310-73-2) are present in the product formulation and are listed on the Chemicals of High Concern and Priority list. No other components in this product are listed.

Maine Chemicals of High Concern: No components in this product are listed.

Vermont Chemicals of High Concern to Children: Ethylene glycol (CAS No. 107-21-1) and phenol (CAS No. 108-95-2) are present in the product formulation and are listed on the Chemicals of High Concern to Children List. No other components in this product are listed.

Massachusetts Toxic or Hazardous Substance List: No components in this product are listed.

Pennsylvania Hazardous Substance List: Ethylene glycol (listed as 1,2-ethanediol) (CAS No. 107-21-1), glycerin (listed as 1,2,3-propanetriol) (CAS No. 56-81-5), phenol (CAS No. 108-95-2), and sodium hydroxide (CAS No. 1310-73-2) are present in the product formulation and are listed on the Hazardous Substance list. No other components in this product are listed.

Michigan Chemicals of Concern: No components in this product are listed.

International:

IARC: Phenol (CAS No. 108-95-2) is listed as not classifiable as to its carcinogenicity to humans (Group 3) by IARC. No other components of this product are classified with respect to carcinogenicity.

15.2 Chemical Safety Assessment

- None available for the components in this product.

Note: The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in **Section 3**.

Section 16 – Other Information

List of acronyms and abbreviations:

ATE: Acute Toxicity Estimate	OSHA: Occupational Safety and Health Administration
CAA: Clean Air Act	PBT: Persistent, Bioaccumulative and Toxic
CAS: Chemical Abstract Service Number	PPE: Personal Protective Equipment
CERCLA: Comprehensive Environmental Response and Liability Act	REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
CWA: Clean Water Act	SARA: Superfund Amendment and Reauthorization Act
ECHA: European Chemicals Agency	SDS: Safety Data Sheet
GHS: Global Harmonized System	TSCA: Toxic Substances Control Act
IARC: International Agency for Research on Cancer	UN: United Nations
MARPOL: Maritime Pollution	vPvB: very Persistent, very Bioaccumulative
NTP: National Toxicology Program	

References:

ECHA (European Chemicals Agency). 2021. REACH Registered Substances Database. <https://echa.europa.eu/search-for-chemicals>

IARC (International Agency for Research on Cancer). 2021. Agents Classified by the IARC Monographs, Volumes 1-129. <https://monographs.iarc.who.int/list-of-classifications/>

NTP (National Toxicology Program). 2016. Report on Carcinogens, Fourteenth Edition.; Research Triangle Park, NC: U.S. Department of Health and Human Services, Public Health Service. <https://ntp.niehs.nih.gov/go/roc14>

Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Revision Indicator: This is a new Safety Data Sheet.

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