

Speedball Permanent Elegant Writers

SAFETY DATA SHEET (SDS)

Version: 01

Date of Issue: October 6, 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 Permanent Elegant Writers (Permanent Black Ink, Permanent Blue Ink, Permanent Red Ink)
1.6 g per pen
Other Means of Identification: None known
Product Description: Coloured liquid ink formulations intended for arts and crafts purposes.

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

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
Email: customerservice@speedballart.com

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	Flammable Category 2

2.2. Label elements



Signal Word: Danger

Hazard Statements and Precautions:

**H225: Flammable liquid
(Category 2)**

Highly flammable liquid and vapour.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking. (P210)
Wear protective equipment (P280)
Keep container tightly closed. (P233)
Ground and bond container and receiving equipment. (P240)
Use explosion-proof electrical/ventilating/lighting equipment (P241)

Use non-sparking tools. (P242)
 Take action to prevent static discharges. (P243)
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. (P303 + P361 + P353)
 In case of fire: Use sand, dry chemical or alcohol resistant foam for extinction. (P370 + P378)
 Store in a well-ventilated place. Keep cool. (P403 + P235)
 Dispose of contents/container in accordance with local, regional, national, and/or international regulations. (P501)

2.3. Other hazards

- No other hazards have been identified for this product

Section 3 – Composition / Information on Ingredients

Chemical Name	CAS No.	EC No.	% Concentration
Ethanol	64-17-5	200-578-6	64.3% - 66.3%
1-Methoxy-2-propanol	107-98-2	203-539-1	8.0%
Rosin Based Resins	8050-09-7	232-475-7	10.0%
Polyvinyl Butyral	63148-65-2	613-158-6	7.7%
Phosphoric acid mono-bis-(2-ethylhexyl)-ester	12645-31-7	235-741-0	4.0%
Pigment Blue 15:3	147-14-8	205-685-1	0% - 5.0%
Carbon Black	1333-86-4	215-609-9	0% - 3.5%

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: Take off immediately all contaminated clothing. 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: If the material is involved in a fire, use dry chemical, alcohol resistant foam or carbon dioxide, water spray.

Unsuitable Extinguishing Media: Do not use direct water stream. Straight or direct water streams may not be effective to extinguish fire.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards:

- Container may rupture on heating. Be aware of possibility of re-ignition. This product gives off flammable vapours which may form explosive mixtures with air. Vapours with a source of ignition can create a flash fire, not a unconfined vapour cloud explosion. 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 with full-face mask and protective equipment to protect against potentially irritating fumes.

Section 6 – Accidental Release Measures

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

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

Emergency Procedures: Eliminate all sources of ignition. Wear appropriate protective clothing. Avoid breathing vapours. Keep unnecessary people away; isolate hazard area and deny entry. Consider need for evacuation. Stay up wind and keep out of low areas where vapour may accumulate and ignite. Stop leak if this can be achieved without risk. For small spills take up with a non-combustible absorbent. For large spills, dike or dam for later disposal.

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. Ventilate contaminated area thoroughly. 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 in a cool dry place. Do not store in open, unlabeled or mislabeled containers. Keep container tightly closed to avoid spills. Store away from incompatible materials. 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: Only vapours were considered to be foreseeable under conditions of normal use. Airborne particles, such as dust, are not foreseeable under conditions of normal use.

Chemical Name	CAS No.	ACGIH TLV TWA	OSHA PEL TWA	NIOSH REL TWA	DFG MAK
Ethanol	64-17-5	1900 mg/m ³	1900 mg/m ³	1900 mg/m ³	380 mg/m ³
1-Methoxy-2-propanol	107-98-2	180 mg/m ³	360 mg/m ³	360 mg/m ³	N/A

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:	Liquid	Partition Coefficient n-octanol/water:	Not available
Color:	See Section 1.1	Auto-ignition temperature:	Not available
Odor/Odor threshold:	Not available	Decomposition temperature:	Not available
pH (as supplied):	Not available	Dynamic viscosity:	Not available
Melting/freezing point:	Not available	Molecular weight:	Not available
Boiling point/range:	Not available	Taste:	Not available
Flash point:	Not available	Explosive properties:	Not available
Evaporation rate:	Not available	Oxidizing properties:	Not available
Flammability:	Not available	Surface tension:	Not available
Upper/lower explosive limits:	Not available	Volatile component:	Not available
Vapor pressure:	Not available	Gas group:	Not available
Water solubility:	Not available	pH (as solution):	Not available
Vapor density (Air = 1):	Not available	VOC:	Not available
Specific gravity (Water = 1):	Not available	Particle size range:	Not available
Relative density:	Not available		

9.2 Other information

No further 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

- High temperatures

10.5 Incompatible materials

- Strong acids
- Strong bases
- Strong oxidisers

10.6 Hazardous decomposition products

- Hazardous decomposition products including but not limited to aldehydes, ketones, organic acids and oxides of carbon 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 >2000 mg/kg
Acute dermal toxicity:	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:	Phosphoric acid mono-bis-(2-ethylhexyl)-ester (CAS No. 12645-31-7) has been classified as corrosive to the skin. The other components >1% of this product are not skin irritants based on human and/or animal studies.
Serious eye damage/irritation:	Ethanol (CAS No. 64-17-5) has been classified for eye irritation. Phosphoric acid mono-bis-(2-ethylhexyl)-ester (CAS No. 12645-31-7) has been classified as damaging to the eyes. The other components of this product >1% are not eye irritants based on human and/or animal studies.
Respiratory or skin sensitization:	Rosin based resins (CAS No. 8050-09-7) has been classified for skin sensitization. The other components in this product >0.1% are not sensitizing to the skin based on human and/or animal studies.
Mutagenicity:	The components in the product >0.1% are not mutagenic based on animal studies or no data identified for the components in this product.

Carcinogenicity:	The components in the product >0.1% are not carcinogenic based on animal studies or no data identified for the components in this product.
Reproductive Toxicity:	The components in the product >0.1% are not reproductive toxicants based on animal studies or no data identified for the components in this product.
Specific target organ toxicity (single exposure):	1-Methoxy-2-propanol (CAS No. 107-98-2) has been classified for specific target organ toxicity (single exposure, central nervous system). The other components in the product >1% are not specific target organ toxicity (single exposure) toxicants based on animal studies or no data identified for the components in this product.
Specific target organ toxicity (repeated exposure):	The components in the product >1% are not specific target organ toxicity (repeated exposure) toxicants based on animal studies or no data identified for the components in this product.
Aspiration hazard:	The components in the product >1% are not aspiration hazards based on animal studies or no data identified for the components in this product.

References:

ECHA. 2021. REACH Registered Substances Database.

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.

Preparing container for disposal: Empty containers may contain hazardous residues. Do not cut, puncture or weld on or near to the container. Labels should not be removed from containers until they have been cleaned. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers.

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	UN1170
14.2 UN proper shipping name	Ethanol Solution (ethyl alcohol solution)
14.3 Transport hazard class(es):	3
14.4 Packing group	II, 144
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	Category Z

Section 15 – Regulatory Information

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): All components are listed on the non-confidential TSCA inventory or are exempt.

State Regulations:

California Reportable Ingredients List: Ethanol (CAS No. 64-17-5) is listed on the Reportable Ingredients List; however, given the intended use of the product (*i.e.*, arts and crafts) this regulation does not apply. Carbon black (CAS No. 1333-86-4) is listed on the Reportable Ingredients List; however, given the nature and physical form of the product (*i.e.*, liquid ink), airborne respirable particles would not likely be released from the product and therefore the listed forms of carbon black is not relevant for the product. No other components in this product are listed on the Reportable Ingredients List.

California Proposition 65 List: Carbon black (CAS No. 1333-86-4) is listed on the Proposition 65 List; however, given the nature and physical form of the product (*i.e.*, liquid ink), airborne respirable particles would not likely be released from the product and therefore the listed forms of carbon black is not relevant for the product. No other components in this product are listed on the Proposition 65 List.

Minnesota Chemicals of Concern List: Ethanol (CAS No. 64-17-5) is listed on the Chemicals of Concern List. Carbon black (CAS No. 1333-86-4) is listed on the Chemicals of Concern List; however, given the nature and physical form of the product (*i.e.*, liquid ink), airborne respirable particles would not likely be released from the product and therefore the listed forms of carbon black is not relevant for the product. No other components in this product are listed on the Chemicals of Concern List.

New Jersey Right to Know Hazardous Substance List: Ethanol (CAS No. 64-17-5), 1-methoxy-2-propanol (CAS No. 107-98-2) and carbon black (CAS No. 1333-86-4) are listed on the Right to Know Hazardous Substance List. No other components in this product are listed on the Right to Know Hazardous Substance List.

Pennsylvania Hazardous Substance List: Ethanol (CAS No. 64-17-5), 1-methoxy-2-propanol (CAS No. 107-98-2) and carbon black (CAS No. 1333-86-4) are listed on the Hazardous Substance List. No other components in this product are listed on the Hazardous Substance List.

International:

IARC: Carbon black (CAS No. 1333-86-4) is listed as Group 2B, possibly carcinogenic to humans. Product classification is not warranted based on the nature of the product (*i.e.*, liquid ink). No other components in 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:

ACGIH: American conference of Governmental Hygienists	NIOSH: National Institute for Occupational Safety & Health
ATE: Acute Toxicity Estimate	OSHA: Occupational Safety and Health Administration
CAA: Clean Air Act	PBT: Persistent, Bioaccumulative and Toxic
CAS: Chemical Abstract Service Number	PEL: Permissible Exposure Level
CERCLA: Comprehensive Environmental Response and Liability Act	PPE: Personal Protective Equipment
CWA: Clean Water Act	REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
DFG MAK: Deutsche Forschungsgemeinschaft Maximale Arbeitsplatz-Konzentration	REL: Recommended exposure level
EC: European Commission	SARA: Superfund Amendment and Reauthorization Act
ECHA: European Chemicals Agency	SDS: Safety Data Sheet
GHS: Global Harmonized System	TLV: Threshold limit value
HEPA: High Efficiency Particulate Air	TSCA: Toxic Substances Control Act
IARC: International Agency for Research on Cancer	TWA: Time-weighted average
IBC: International Bulk Chemical	UN: United Nations
MARPOL: Maritime Pollution	vPvB: very Persistent, very Bioaccumulative

References:

- European Chemicals Agency (ECHA) Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
- European Chemicals Agency Classification and Labelling Inventory Database.

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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