

SPEEDBALL INDIA INKS

SAFETY DATA SHEET (SDS)

Version: 01
Date of Issue: March 14, 2024

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 India Inks
Product Colors: Pink, Red, Orange, Yellow, Green, Turquoise, Blue, Purple, Brown, Black, White, Sepia
Product sizes: 0.41 fl. oz. - 2 fl. oz.
Other Means of Identification: None known
Product Description: Colored liquid ink formulations intended to be applied using a brush or with a dip in pen.

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

Physical	Health	Environmental
Not classified	Not classified	Not classified

2.2. Label elements

Label Pictogram: None
Signal Word: None
Hazard Statement: None
Precautionary Statement: None

2.3. Other hazards

- None

Section 3 – Composition / Information on Ingredients

3.1 Substance

The product is a mixture and not a substance.

3.2 Mixture

Chemical Name	CAS No.	EC No.	% Concentration ^a	GHS Hazards
Pigment Black 7	1333-86-4	215-609-9	up to 10.36%	H351: Carcinogenicity (Category 2) (inhalation)
Anionic/nonionic surfactant blend	Proprietary	Proprietary	up to 0.581196%	H302: Acute toxicity – oral (Category 4); H315: Skin irritation (Category 2); H317: Skin sensitization (Category 1); H318: Eye damage (Category 1); H412: Hazardous to the aquatic environment - long term (chronic) hazard (Category 3)
Tetramethyl-5-decyne-4,7-diol, 2,4,7,9-	126-86-3	204-809-1	up to 0.518%	H317: Skin sensitization (Category 1B); H318: Eye damage (Category 1); H412: Hazardous to the aquatic environment - long term (chronic) hazard (Category 3)
Crystalline silica	14808-60-7	238-878-4	up to 0.286459%	H350: Carcinogenicity (Category 1) (Inhalation); H372: Specific target organ toxicity (repeated exposure, Category 1 - lungs)
Titanium dioxide	13463-67-7	236-675-5	up to 8.32%	H351: Carcinogenicity (Category 2) (inhalation)
Trimethylolpropane	77-99-6	201-074-9	up to 0.104%	H361: Reproductive toxicity (Category 2) (Suspected of damaging fertility or the unborn child)

^a Concentrations are calculated as a maximum across all products, rather than by color.

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.

The product may contain Pigment Black 7 (CAS No. 1333-86-4), titanium dioxide (CAS No. 13463-67-7), and crystalline silica (CAS No. 14808-60-7), which may be hazardous when inhaled. 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 hazard is not relevant to the product.

This SDS was prepared under the assumption that several polymers contained in the final product are present as fully reacted/cured, high-molecular weight, and highly stable polymers with negligible residual monomers present (<0.1%). If this is not the case, reassessment of the product is required.

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. If eye irritation persists, contact medical advice/attention.

Skin contact: No specific first aid measures are required. If irritation occurs, wash with plenty of water and soap. Take off contaminated clothing. If skin irritation persists: Get medical advice/attention.

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, foam, dry chemical or carbon dioxide).

Unsuitable Extinguishing Media: None known.

5.2 Special hazards arising from the substance or mixture

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 to protect against potentially irritating vapours or 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: 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. 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

- Wash hands thoroughly after handling.
- Wash contaminated clothing before reuse.
- Employees should be trained in the safe use and handling of chemical materials.
- Refer to **Section 8 - Exposure Controls/Personal Protection**.

7.2 Conditions for safe storage, including any incompatibilities

- Keep container tightly closed to avoid spills.
- Keep in a cool dry place.

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
Carbon black	1333-86-4	3 mg/m ³ I	3.5 mg/m ³	3.5 mg/m ³ *	N/A
Crystalline silica	14808-60-7	0.025 mg/m ³ R	0.05 mg/m ³ **	0.05 mg/m ³ **	N/A
Titanium dioxide	13463-67-7	10 mg/m ³	15 mg/m ³ ****	N/A	0.3 mg/m ³ R***
N/A – Not applicable			*	0.1 in presence of polycyclic aromatic hydrocarbons	
I – Measured as inhalable fraction of the aerosol			**	Respirable dust	
R – Measured as respirable fractions of the aerosol			***	Multiplied with the material density	
			****	Total dust	

Note: Titanium dioxide (CAS No. 13463-67-7) values listed above are related to non-ultrafine and non-nanoscale or finescale particles.

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. Use protective equipment as required.

Respiratory:	Under normal conditions of use, respirator is not usually required. Use appropriate respiratory protection if exposure to dust particles, mist or vapors is likely. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.
Eyes/Face:	If contact is likely, safety glasses with side shields are recommended.
Hands:	Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur, wear chemically protective gloves.
Body/Skin:	Gloves, coveralls, apron, boots as necessary to minimize contact. Do not wear rings, watches or similar apparel that could entrap the material.
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
Colour:	See section 1.1	Auto-ignition temperature:	Not available
Odour/Odour threshold:	Not available	Decomposition temperature:	Not available
pH (as supplied):	7 - 8	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		

Flammability:	Not available	Oxidizing properties:	Not available
Upper/lower explosive limits:	Not available	Surface tension:	Not available
Vapor pressure:	Not available	Volatile component:	Not available
Water solubility:	Not available	Gas group:	Not available
Vapor density (Air = 1):	Not available	pH (as solution):	Not available
Specific gravity (Water = 1):	Not available	VOC:	Not available
Relative density:	Not available	Particle size range:	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

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

10.5 Incompatible materials

- Strong acids
- Strong bases
- Strong oxidisers
- Strong reducing agents.

10.6 Hazardous decomposition products

- Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion. Irritating and toxic substances may be emitted upon combustion, burning, or decomposition of dry solids.

Section 11 – Toxicological Information

11.1 Likely routes of exposure: Skin contact.

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

Acute oral toxicity: Anionic/nonionic surfactant blend (CAS No. proprietary) has been classified for acute oral toxicity (Category 4) however, 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 non-toxic based on available animal and human use data. ATE >5000 mg/kg.

Acute inhalation toxicity: The product is practically nontoxic based on available animal and human use data.

Skin corrosion/irritation:	Anionic/nonionic surfactant blend (CAS No. proprietary) has been classified for skin irritation (Category 2); however, product classification is not warranted based on the concentration of anionic/nonionic surfactant blend present in the product. The other ingredients of this product at >1% are not corrosive to the skin or skin irritants based on human and/or animal studies.
Serious eye damage/irritation:	Anionic/nonionic surfactant blend (CAS No. proprietary) and tetramethyl-5-decyne-4,7-diol, 2,4,7,9- (CAS No. 126-86-3) have been classified for eye damage (Category 1); however, product classification is not warranted based on the concentration of anionic/nonionic surfactant blend and tetramethyl-5-decyne-4,7-diol, 2,4,7,9- present in the product. The other ingredients of this product at >1% are not damaging to the eyes or eye irritants based on human and/or animal studies.
Respiratory or skin sensitization:	Anionic/ionic surfactants (Proprietary) has been classified for skin sensitization (Category 1) and tetramethyl-5-decyne-4,7-diol, 2,4,7,9- (CAS No. 126-86-3) has been classified for skin sensitization (Category 1B). Product classification is not warranted based on the concentration of anionic/nonionic surfactant blend and tetramethyl-5-decyne-4,7-diol, 2,4,7,9- present in the product. The other ingredients in this product at >0.1% are not sensitizing to the skin or respiratory tract based on human and/or animal studies.
Mutagenicity:	The ingredients in the product at >0.1% are not mutagenic based on animal studies or no data identified for the components in this product.
Carcinogenicity:	Crystalline silica (airborne, unbound particles of respirable size) (CAS No. 14808-60-7) has been classified for carcinogenicity (Category 1). Titanium dioxide (CAS No. 13463-67-7) (airborne, unbound particles of respirable size) and Pigment Black 7 (CAS No. 1333-86-4) (airborne, unbound particles of respirable size) have been classified for carcinogenicity (Category 2). Product classification is not warranted based on a review of available data and the nature/physical form of the product (<i>i.e.</i> , liquid ink). Crystalline silica is listed as a carcinogen by NTP and ACGIH. Crystalline silica [listed as silica dust, crystalline, in the form of quartz or cristobalite (CAS No. 14808-60-7)] is listed as Group 1 by IARC. Titanium dioxide and carbon black are listed as Group 2B by IARC. Titanium dioxide and carbon black are also listed as carcinogens by NTP and ACGIH. The other ingredients in the product at >0.1% are not carcinogenic based on animal studies or no data identified for the components in this product.
Reproductive Toxicity:	Trimethylolpropane (CAS No. 77-99-6) has been classified for reproductive toxicity (Category 2). Product classification is not warranted based on the concentration present in the product. The other ingredients in the product at >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):	The ingredients in the product at >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):	Crystalline silica (airborne, unbound particles of respirable size) (CAS No. 14808-60-7) has been classified for Specific target organ toxicity (repeated exposure, Category 1 - lungs). The other ingredients in this product at >1% are not repeated exposure specific target organ toxicity hazards based on available information, human and/or animal studies.
Aspiration hazard:	The ingredients in the product at >1% are not aspiration hazards based on animal studies or no data identified for the components in this product.

References:

- ECHA (European Chemicals Agency). 2024. REACH Registered Substances Database. <https://echa.europa.eu/search-for-chemicals>
- IARC (International Agency for Research on Cancer). 2024. Agents Classified by the IARC Monographs, Volumes 1–129. <https://monographs.iarc.who.int/list-of-classifications/>
- NTP (National Toxicology Program). 2021. Report on Carcinogens, Fifteenth 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 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. Dispose of waste in accordance with local, regional, national, and/or international regulations. The empty container has residues which may exhibit hazards of the product.

Contaminated Packaging: Container packaging is not expected to exhibit hazards.

Section 14 – Transport Information

Note: This product is not regulated as dangerous goods for transport.

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es):	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	None
14.6 Special precautions for user	None
14.7 Maritime transport in bulk according to IMO instruments	Not applicable

Section 15 – Regulatory Information

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

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

United States

Federal Regulations:

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): No ingredients in this product >0.1% are subject to reporting under CERCLA.

Clean Water Act (CWA): Benzene (CAS No. 71-43-2), antimony (CAS No. 7440-36-0), arsenic (CAS No. 7440-38-2), beryllium (CAS No. 7440-41-7), cadmium (CAS No. 7440-43-9), lead (CAS No. 7439-92-1), nickel (CAS No. 7440-02-0), mercury (CAS No. 7439-97-6), polychlorinated biphenyls, and hexavalent chromium (CAS No. 7440-47-3) are listed as toxic pollutants. No other ingredients in this product are listed as toxic pollutants.

Clean Air Act (CAA): Ethylene oxide (CAS No. 75-21-8) and acetaldehyde (CAS No. 75-07-0) are listed by the CAA with a threshold quantity of 10,000 lbs. No other ingredients in this product are listed under the CAA.

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

SARA 302 Components: Propylene oxide (CAS No. 75-56-9) has a reporting quantity of 10,000 lbs in accordance with S.302. Ethylene oxide (CAS No. 75-21-8) has a reporting quantity of 1,000 lbs in accordance with S.302. Ammonia (CAS No. 7664-41-7) and formaldehyde (CAS No. 50-00-0) have a reporting quantity of 500 lbs in accordance with S.302. No other ingredients in this product are subject to reporting requirements of S.302.

SARA 304 Emergency Release Notification: Ethylene oxide (CAS No. 75-21-8) has a reporting quantity of 10 lbs in accordance with S.304. Ammonia (CAS No. 7664-41-7), propylene oxide (CAS No. 75-56-9), and formaldehyde (CAS No. 50-00-0) have a reporting quantity of 100 lbs in accordance with S.304. No other components in this product are subject to reporting requirements of S.304.

SARA 311/312 Hazards: None.

SARA 313 Components: Ammonium hydroxide (CAS No. 1336-21-6), ammonia (CAS No. 7664-41-7), propylene oxide (CAS No. 75-56-9), formaldehyde (CAS No. 50-00-0), methanol (CAS No. 67-56-1), polychlorinated biphenyls, ethylene glycol (CAS No. 107-21-1), 2-methoxyaniline (CAS No. 90-04-0), styrene (CAS No. 100-42-5), benzene (CAS No. 71-43-2), ethylene oxide (CAS No. 75-21-8), 1,4-dioxane (CAS No. 123-91-1), hexachlorobenzene (CAS No. 118-74-1), acetaldehyde (CAS No. 75-07-0), ethyl acrylate (CAS No. 140-88-5), antimony (CAS No. 7440-36-0), arsenic (CAS No. 7440-38-2), beryllium (CAS No. 7440-41-7), cadmium (CAS No. 7440-43-9), cobalt (CAS No. 7440-48-4), lead (CAS No. 7439-92-1), nickel (CAS No. 7440-02-0), vanadium (CAS No. 7440-62-2), mercury (CAS No. 7439-97-6), and hexavalent chromium (CAS No. 7440-47-3) are subject to reporting requirements of S.313. No other ingredients in this product are subject to reporting requirements of S.313.

Toxic Substances Control Act (TSCA): Bentonite (CAS No. 1302-78-9), acrylic acid (CAS No. 79-10-1) and polychlorinated biphenyls are not listed on the TSCA inventory. All other ingredients are listed on the non-confidential TSCA inventory or are exempt.

State Regulations:

California Candidate Chemicals List: 2-Butoxyethanol (CAS No. 111-76-2), hydrotreated heavy paraffinic distillate (CAS No. 64742-54-7), trimethylolpropane (CAS No. 77-99-6), ammonia (CAS No. 7664-41-7), titanium dioxide (airborne, unbound particles of respirable size) (CAS No. 13463-67-7), crystalline silica (in the form of quartz or cristobalite) (CAS No. 14808-60-7), Pigment Black 7 (airborne, unbound particles of respirable size) (CAS No. 1333-86-4), 2-methoxyaniline (CAS No. 90-04-0), styrene (CAS No. 100-42-5), benzene (CAS No. 71-43-2), ethylene oxide (CAS No. 75-21-8), 1,4-dioxane (CAS No. 123-91-1), hexachlorobenzene (CAS No. 118-74-1), acetaldehyde (CAS No. 75-07-0), formaldehyde (CAS No. 50-00-0), ethyl acrylate (CAS No. 140-88-5), propylene oxide (CAS No. 75-56-9), methanol (CAS No. 67-56-1), polychlorinated biphenyls, ethylene glycol (CAS No. 107-21-1), MIBK (CAS No. 108-10-1), antimony (CAS No. 7440-36-0), arsenic (CAS No. 7440-38-2), beryllium (CAS No. 7440-41-7), cadmium (CAS No. 7440-43-9), cobalt (CAS No. 7440-48-4), lead (CAS No. 7439-92-1), nickel (CAS No. 7440-02-0), vanadium (CAS No. 7440-62-2), mercury (CAS No. 7439-97-6), and hexavalent chromium (CAS No. 7440-47-3) are listed on California's Candidate Chemicals List. No other ingredients in this product are listed on the Candidate Chemicals List.

California Proposition 65 List: Titanium dioxide (airborne particles of respirable size) (CAS No. 13463-67-7), Pigment Black 7 (airborne particles of respirable size) (CAS No. 1333-86-4), and crystalline silica (airborne particles of respirable size) (CAS No. 14808-60-7) are listed on the Proposition 65 List; however, given the nature/physical form of the product (*i.e.*, liquid ink), airborne respirable particles would not likely be released from this product and therefore the listed forms of titanium dioxide, carbon black and crystalline silica are not relevant for the product. 2-Methoxyaniline (CAS No. 90-04-0), propylene oxide (CAS No. 75-56-9), formaldehyde (CAS No. 50-00-0), methanol (CAS No. 67-56-1), styrene (CAS No. 100-42-5), benzene (CAS No. 71-43-2), ethylene oxide (CAS No. 75-21-8), 1,4-dioxane (CAS No. 123-91-1), hexachlorobenzene (CAS No. 118-74-1), acetaldehyde (CAS No. 75-07-0), ethyl acrylate (CAS No. 140-88-5), polychlorinated biphenyls, ethylene glycol (CAS No. 107-21-1), MIBK (CAS No. 108-10-1), antimony (CAS No. 7440-36-0), arsenic (CAS No. 7440-38-2), beryllium (CAS No. 7440-41-7), cadmium (CAS No. 7440-43-9), cobalt (CAS No. 7440-48-4), lead (CAS No. 7439-92-1), nickel (CAS No. 7440-02-0), vanadium (CAS No. 7440-62-2), mercury (CAS No. 7439-97-6), and hexavalent chromium (CAS No. 7440-47-3) are listed on the Proposition 65 List. Warnings for the purpose of California Proposition 65 for antimony, cobalt, nickel and vanadium are not warranted given the nature/physical form of the products (*i.e.*, liquid ink). Additionally, a screening assessment indicates that the concentrations of 2-methoxyaniline, propylene oxide, formaldehyde, methanol, styrene, benzene, ethylene oxide, 1,4-dioxane, hexachlorobenzene, acetaldehyde, ethyl acrylate, polychlorinated biphenyls, ethylene glycol, MIBK, arsenic, beryllium, cadmium, lead, mercury, and hexavalent chromium are not expected to be a cause for concern and warnings for the purpose of California Proposition 65 are not required.

Maine List of Chemicals of High Concern: Given the product is not considered to be a toy and is not intended for use by children, the List of Chemicals of High Concern is not applicable to the product.

Massachusetts Toxic or Hazardous Substance List: Formaldehyde (CAS No. 50-00-0), crystalline silica (CAS No. 14808 60-7), cadmium (CAS No. 7440-43-9), and hexavalent chromium (CAS No. 7440-47-3) are listed on the Toxic or Hazardous Substance List. No other ingredients in this product are listed on the Toxic or Hazardous Substance List.

Minnesota Chemicals of High Concern List and Priority List: Ethanol (CAS No. 64-17-5), 2-butoxyethanol (CAS No. 111-76-2), trimethylolpropane (CAS No. 77-99-6), ammonia (CAS No. 7664-41-7), titanium dioxide (CAS No. 13463-67-7), crystalline silica (CAS No. 14808 60-7), Pigment Black 7 (CAS No. 1333-86-4), propylene oxide (CAS No. 75-56-9), formaldehyde (CAS No. 50-00-0), 2-methoxyaniline (CAS No. 90-04-0), styrene (CAS No. 100-42-5), benzene (CAS No. 71-43-2), methanol (CAS No. 67-56-1), ethylene oxide (CAS No. 75-21-8), 1,4-dioxane (CAS No. 123-91-1), hexachlorobenzene (CAS No. 118-74-1), acetaldehyde (CAS No. 75-07-0), ethyl acrylate (CAS No. 140 88-5), polychlorinated biphenyls, ethylene glycol (CAS No. 107-21-1), MIBK (CAS No. 108-10-1), antimony (CAS No. 7440 36 0), arsenic (CAS No. 7440-38-2), beryllium (CAS No. 7440-41-7), cadmium (CAS No. 7440-43-9), cobalt (CAS No. 7440-48-4), lead (CAS No. 7439-92-1), nickel (CAS No. 7440-02-0), vanadium (CAS No. 7440-62-2), mercury (CAS No. 7439-97-6), and hexavalent chromium (CAS No. 7440-47-3) are listed on the Chemicals of High Concern and Priority list. No other ingredients in this product are listed on the Chemicals of High Concern and Priority list.

New Jersey Right to Know Hazardous Substance List: Glycerin (CAS No. 56-81-5), methyl acetate (CAS No. 79-20-9), kaolin (CAS No. 1332-58-7), propylene glycol (CAS No. 57-55-6), ethanol (CAS No. 64-17-5), 2-butoxyethanol (CAS No. 111-76-2), calcium carbonate (CAS No. 1317-65-3), Pigment Red 101 (CAS No. 1309-37-1), ammonium hydroxide (CAS No. 1336-21-6), ammonia (CAS No. 7664-41-7), titanium dioxide (CAS No. 13463-67-7), crystalline silica (CAS No. 14808 60-7), Pigment Black 7 (CAS No. 1333-86-4), propylene oxide (CAS No. 75-56-9), formaldehyde (CAS No. 50-00-0), 2-methoxyaniline (CAS No. 90-04-0), styrene (CAS No. 100-42-5), benzene (CAS No. 71-43-2), methanol (CAS No. 67-56-1), ethylene oxide (CAS No. 75-21-8), 1,4-dioxane (CAS No. 123-91-1), hexachlorobenzene (CAS No. 118-74-1), acetaldehyde (CAS No. 75-07-0), ethyl acrylate (CAS No. 140 88-5), polychlorinated biphenyls, ethylene glycol (CAS No. 107-21-1), MIBK (CAS No. 108-10-1), antimony (CAS No. 7440 36 0), arsenic (CAS No. 7440-38-2), beryllium (CAS No. 7440-41-7), cadmium (CAS No. 7440-43-9), cobalt (CAS No. 7440-48-4), lead (CAS No. 7439-92-1), nickel (CAS No. 7440-02-0), vanadium (CAS No. 7440-62-2), mercury (CAS No. 7439-97-6), and hexavalent chromium (CAS No. 7440-47-3) are listed on the Right to Know Hazardous Substance List. No other ingredients are listed on the Right to Know Hazardous Substance List.

Pennsylvania Hazardous Substance List: Glycerin (CAS No. 56-81-5), methyl acetate (CAS No. 79-20-9), kaolin (CAS No. 1332-58-7), propylene glycol (CAS No. 57-55-6), ethanol (CAS No. 64-17-5), 2-butoxyethanol (CAS No. 111-76-2), calcium carbonate (CAS No. 1317-65-3), Pigment Red 101 (CAS No. 1309-37-1), ammonium hydroxide (CAS No. 1336-21-6), ammonia (CAS No. 7664-41-7), dipropylene glycol (CAS No. 26265-71-8), titanium dioxide (CAS No. 13463-67-7), crystalline silica (CAS No. 14808 60-7), Pigment Black 7 (CAS No. 1333-86-4), propylene oxide (CAS No. 75-56-9), formaldehyde (CAS No. 50-00-0), 2-methoxyaniline (CAS No. 90-04-0), styrene (CAS No. 100-42-5), benzene (CAS No. 71-43-2), methanol (CAS No. 67-56-1), ethylene oxide (CAS No. 75-21-8), 1,4-dioxane (CAS No. 123-91-1), hexachlorobenzene (CAS No. 118-74-1), acetaldehyde (CAS No. 75-07-0), ethyl acrylate (CAS No. 140 88-5), polychlorinated biphenyls, ethylene glycol (CAS No. 107-21-1), MIBK (CAS No. 108-10-1), antimony (CAS No. 7440 36 0), arsenic (CAS No. 7440-38-2), beryllium (CAS No. 7440-41-7), cadmium (CAS No. 7440-43-9), cobalt (CAS No. 7440-48-4), lead (CAS No. 7439-92-1), nickel (CAS No. 7440-02-0), vanadium (CAS No. 7440-62-2), mercury (CAS No. 7439-97-6), and hexavalent chromium (CAS No. 7440-47-3) are listed on the Hazardous Substance List. No other ingredients in this product are listed on the Hazardous Substance List.

Vermont Chemicals of High Concern to Children: Given the product is not considered to be a toy and is not intended for use by children, the Chemicals of High Concern to Children list is not applicable to the product.

Washington Chemicals of High Concern to Children: Given the product is not considered to be a toy and is not intended for use by children, the Chemicals of High Concern to Children list is not applicable to the product.

International:

IARC: Benzene (CAS No. 71-43-2), ethylene oxide (CAS No. 75-21-8), polychlorinated biphenyls, arsenic (CAS No. 7440-38-2), beryllium (CAS No. 7440-41-7), cadmium (CAS No. 7440-43-9), nickel (CAS No. 7440-02-0), and hexavalent chromium (CAS No. 7440-47-3) are listed as Group 1, carcinogenic to humans. 2-Methoxyaniline (CAS No. 90-04-0), styrene (CAS No. 100-42-5), antimony (CAS No. 7440-36-0) and lead (CAS No. 7439-92-1) are listed as Group 2A, probably carcinogenic to humans. Titanium dioxide (CAS No. 13463-67-7), crystalline silica (silica dust, crystalline, in the form of quartz or cristobalite) (CAS No. 14808 60-7), Pigment Black 7 (CAS No. 1333-86-4), 1,4-dioxane (CAS No. 123-91-1), hexachlorobenzene (CAS No. 118-74-1), acetaldehyde (CAS No. 75-07-0), ethyl acrylate (CAS No. 140-88-5), cobalt (CAS No. 7440-48-4), propylene oxide (CAS No. 75-56-9), and vanadium (CAS No. 7440-62-2) are listed as Group 2B, possibly carcinogenic to humans. Poly(vinyl alcohol) (CAS No. 9002-89-5), 2-butoxyethanol (CAS No. 111-76-2), Pigment Red 101 (CAS No. 1309-37-1), and mercury (CAS No. 7439-97-6) are listed as Group 3, not classifiable as to its carcinogenicity to humans. No other ingredients in this product are classified with respect to carcinogenicity.

15.2 Chemical Safety Assessment

- None available for the components in this product.

Section 16 – Other Information

An **AP (Approved Product)** label is appropriate for this product. The product, *Speedball India Ink*, is safe and is certified to contain no materials in sufficient quantities to be toxic or injurious to humans, including children, or to cause acute or chronic health problems.



List of acronyms and abbreviations:

ACGIH: American conference of Governmental Hygienists	OSHA: Occupational Safety and Health Administration
ATE: Acute Toxicity Estimate	
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
CFR: Code of Federal Regulations	REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
CWA: Clean Water Act	REL: Recommended exposure level
DFG MAK: Deutsche Forschungsgemeinschaft Maximale Arbeitsplatz-Konzentration	RQ: Reportable quantity
EC: European Commission	SARA: Superfund Amendment and Reauthorization Act
ECHA: European Chemicals Agency	SDS: Safety Data Sheet
GHS: Global Harmonized System	
HEPA: High Efficiency Particulate Air	TLV: Threshold limit value
IARC: International Agency for Research on Cancer	TWA: Time-weighted average
IBC: International Bulk Chemical	TSCA: Toxic Substances Control Act
MARPOL: Maritime Pollution	UN: United Nations
NIOSH: National Institute for Occupational Safety & Health	vPvB: very Persistent, very Bioaccumulative

References:

- ECHA (European Chemicals Agency). 2024. REACH Registered Substances Database. <https://echa.europa.eu/search-for-chemicals>
- IARC (International Agency for Research on Cancer). 2024. Agents Classified by the IARC Monographs, Volumes 1–129. <https://monographs.iarc.who.int/list-of-classifications/>
- NTP (National Toxicology Program). 2021. Report on Carcinogens, Fifteenth 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.

Creation Date: April 10, 2024