

40326-XXXX

# Speedball Fabric Block Printing Ink

## SAFETY DATA SHEET (SDS)

Version: 03

Date of Issue: October 02, 2023

According to: Regulation (EC) No. 1272/2008

Regulation (EC) No. 1907/2006

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

#### 1.1 Product identifier

Product Name: Speedball Fabric Block Printing Ink (Black, Red, Blue, White, Green, Yellow, Brown, Orange, Violet, Turquoise, Magenta, Metallic Gold, Metallic Silver, Opaque White, Transparent Extender, Cornsilk, Mint, Lilac)

Product sizes: 37 ml (1.25 fl oz), 75 ml (2.5 fl oz), 146 ml (5 fl oz)

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 Europe  
Villantipolis 5  
473 route des Dollines  
06560 Valbonne, France

Business Phone: +33 6 03 36 21 73

Email: europe@speedballart.eu

#### 1.4 Emergency telephone number

Emergency Telephone: Transportation emergencies only: Infotrac 1-352-323-3500

### Section 2 – Hazard(s) Identification

#### 2.1. Classification of the substance or mixture

According to: Regulation (EC) No 1272/2008 [CLP]

|  | Health         | Environment    | Physical       |
|--|----------------|----------------|----------------|
| Classification according to Regulation (EC) No 1272/2008 [CLP] | Not classified | Not classified | Not classified |
| SCL and/or M-factor  | N/A            | N/A            | N/A            |
| Classification Procedure                                       | N/A            | N/A            | N/A            |

#### 2.2. Label elements

Label Pictogram: None

Signal Word: None

Hazard Statement: None

Precautionary Statement: None

Supplemental Hazard Information: None

#### 2.3. Other hazards

- This product is not expected to be endocrine disrupting.
- This product is not expected to meet the criteria for vPvB or PBT in accordance with Regulation (EC) No. 1907/2006, Annex XIII.
- Mechanical irritation of the eyes and respiratory system may occur following exposure dusts.

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### Section 3 – Composition / Information on Ingredients

#### 3.1 Substances

The product is a mixture and not a substance.

#### 3.2 Mixture

| Chemical Name                        | CAS No.    | EC No.    | % Concentration | GHS Hazards  |
|--------------------------------------|------------|-----------|-----------------|--|
| 2-Butoxyethanol                      | 111-76-2   | 203-905-0 | up to 6.93%     | H302: Acute toxicity – Oral (Category 4);<br>H315: Skin irritation (Category 2);<br>H319: Eye irritation (Category 2);<br>H331: Acute toxicity – Inhalation (Category 3) |
| Propylidynetrimethanol               | 77-99-6    | 201-074-9 | up to 0.40%     | H361: Reproductive toxicity (Category 2) (Suspected of damaging fertility or unborn child)   |
| 2-Ethylhexanoic acid, zirconium salt | 22464-99-9 | 245-018-1 | up to 0.23%     | H315: Skin irritation (Category 2);<br>H360F: Reproductive toxicity (Category 1B) (May damage unborn child)  |
| Isopropyl alcohol                    | 67-63-0    | 200-661-7 | up to 2.13%     | H319: Eye irritation (Category 2);<br>H336: Specific target organ toxicity (single exposure, Category 3 – may cause drowsiness or dizziness)                             |
| Talc <sup>a</sup>                    | 14807-96-6 | 238-877-9 | up to 2.16%     | -  |

<sup>a</sup> Assessment of the product, was based on the assumption that the talc used in the product contains <0.1% asbestos fibers. If this is not the case, reassessment of the product is required.

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.

It should be noted that the product may contain crystalline silica (particles of respirable size) (CAS No. 14808-60-7), carbon black (CAS No. 1333-86-4) and/or titanium dioxide (CAS No. 13463-67-7) 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 hazards 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.

|                                     | Specific Concentration Limit | Multiplying-Factor | Acute Toxicity Estimate                            |
|-------------------------------------|------------------------------|--------------------|--|
| Speedball Fabric Block Printing Ink | N/A                          | 1                  | >2000 mg/kg (oral/dermal)<br>>20 mg/L (inhalation) |

### 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. 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:** Not available.

**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               |
|-------------------|------------|-----------------------|-----------------------|------------------------------------|-----------------------|
| 2-Butoxyethanol   | 111-76-2   | 97 mg/m <sup>3</sup>  | 240 mg/m <sup>3</sup> | 24 mg/m <sup>3</sup>               | 49 mg/m <sup>3</sup>  |
| Isopropyl alcohol | 67-63-0    | 492 mg/m <sup>3</sup> | 980 mg/m <sup>3</sup> | 980 mg/m <sup>3</sup>              | 500 mg/m <sup>3</sup> |
| Talc              | 14807-96-6 | 2 mg/m <sup>3</sup>   | 2 mg/m <sup>3</sup>   | 2 mg/m <sup>3</sup> and <1% quartz | -                     |

### 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. 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.

|                                      |                 |                                   |               |
|--------------------------------------|-----------------|-----------------------------------|---------------|
| <b>Appearance:</b>                   |                 |                                   |               |
| <b>Physical state:</b>               | Liquid          | <b>Partition Coefficient</b>      |               |
| <b>Colour:</b>                       | See Section 1.1 | <b>n-octanol/water:</b>           | Not available |
| <b>Odour/Odour threshold:</b>        | Not available   | <b>Auto-ignition temperature:</b> | Not available |
| <b>pH (as supplied):</b>             | 7-8             | <b>Decomposition temperature:</b> | Not available |
| <b>Melting/freezing point:</b>       | Not available   | <b>Dynamic viscosity:</b>         | Not available |
| <b>Boiling point/range:</b>          | Not available   | <b>Molecular weight:</b>          | Not available |
| <b>Flash point:</b>                  | Not available   | <b>Taste:</b>                     | Not available |
| <b>Evaporation rate:</b>             | Not available   | <b>Explosive properties:</b>      | Not available |
| <b>Flammability:</b>                 | Not available   | <b>Oxidizing properties:</b>      | Not available |
| <b>Upper/lower explosive limits:</b> | Not available   | <b>Surface tension:</b>           | Not available |
| <b>Vapor pressure:</b>               | Not available   | <b>Volatile component:</b>        | Not available |
| <b>Water solubility:</b>             | Not available   | <b>Gas group:</b>                 | Not available |
| <b>Vapor density (Air = 1):</b>      | Not available   | <b>pH (as solution):</b>          | Not available |
| <b>Specific gravity (Water = 1):</b> | 1.04 – 1.44     | <b>VOC:</b>                       | Not available |
| <b>Relative density:</b>             | Not available   | <b>Particle size range:</b>       | Not available |



**9.2.1 Information with Regard to Physical Hazard Classes**

|  |               |
|--|---------------|
| <b>Explosives</b>  | Not available |
| <b>Flammable gases</b>   | Not available |
| <b>Aerosols</b>  | Not available |
| <b>Oxidising gases</b>   | Not available |
| <b>Gases under pressure</b>  | Not available |
| <b>Flammable liquids</b>   | Not available |
| <b>Flammable solids</b>  | Not available |
| <b>Self-reactive substances and mixtures</b>                                     | Not available |
| <b>Pyrophoric liquids</b>  | Not available |
| <b>Pyrophoric solids</b>   | Not available |
| <b>Self-heating substances and mixtures</b>                                      | Not available |
| <b>Substances and mixtures, which emit flammable gases in contact with water</b> | Not available |
| <b>Oxidising liquids</b>   | Not available |
| <b>Oxidizing solids</b>  | Not available |
| <b>Organic peroxides</b>   | Not available |
| <b>Corrosive to metals</b>   | Not available |
| <b>Desensitised explosives</b>   | Not available |

**9.2.2 Other Safety Characteristics**

|   |               |
|---|---------------|
| <b>Mechanical sensitivity</b>                       | Not available |
| <b>Self-accelerating polymerisation temperature</b> | Not available |
| <b>Formation of explosible dust/air mixtures</b>    | Not available |
| <b>Acid/alkaline reserve; (e) evaporation rate</b>  | Not available |
| <b>Miscibility</b>                                  | Not available |
| <b>Conductivity</b>                                 | Not available |
| <b>Corrosiveness</b>                                | Not available |
| <b>Gas group</b>                                    | Not available |
| <b>Redox potential</b>                              | Not available |
| <b>Radical formation potential</b>                  | Not available |
| <b>Photocatalytic properties</b>                    | Not 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.

|   |   |
|---|---|
| <b>Acute oral toxicity:</b>               | 2-Butoxyethanol (CAS No. 111-76-2) has been classified for acute oral toxicity; however, the product is practically non-toxic based on available animal and human use data. ATE >2000 mg/kg   |
| <b>Acute dermal toxicity:</b>             | The product is practically non-toxic based on available animal and human use data. ATE >2000 mg/kg  |
| <b>Acute inhalation toxicity:</b>         | 2-Butoxyethanol (CAS No. 111-76-2) has been classified for acute inhalation toxicity; however, the product is practically nontoxic based on available animal and human use data.  |
| <b>Skin corrosion/irritation:</b>         | 2-Butoxyethanol (CAS No. 111-76-2) and 2-ethylhexanoic acid, zirconium salt (CAS No. 22464-99-9) have been classified for skin irritation. The other components >1% of this product are not skin irritants based on human and/or animal studies.  |
| <b>Serious eye damage/irritation:</b>     | 2-Butoxyethanol (CAS No. 111-76-2) and isopropyl alcohol (CAS No. 67-63-0) have been classified for eye irritation. The other components of this product >1% are not eye irritants based on human and/or animal studies.  |
| <b>Respiratory or skin sensitization:</b> | The components in this product >0.1% are not sensitizing to the skin based on human and/or animal studies.  |
| <b>Mutagenicity:</b>                      | The components in the product >0.1% are not mutagenic based on animal studies or no data identified for the components in this product.   |
| <b>Carcinogenicity:</b>                   | The components in the product >0.1% are not carcinogenic based on animal studies or no data identified for the components in this product.  |
| <b>Reproductive Toxicity:</b>             | Propylidynetrimethanol (CAS No. 77-99-6) and 2-ethylhexanoic acid, zirconium salt (CAS No. 22464-99-9) have been classified for reproductive toxicity. Product classification is not warranted based on the concentration of propylidynetrimethanol and 2-ethylhexanoic acid, zirconium salt present in the final product. The other components in the product >0.1% are not reproductive toxicants based on animal studies or no data identified for the components in this product. |

|  |  |
|--|--|
| <b>Specific target organ toxicity (single exposure):</b>   | Isopropyl alcohol (CAS No. 67-63-0) has been classified for narcotic effects; however, product classification is not warranted based on the concentration present in the product. 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. |
| <b>Specific target organ toxicity (repeated exposure):</b> | 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.   |
| <b>Aspiration hazard:</b>                                  | The components in the product >1% are not aspiration hazards based on animal studies or no data identified for the components in this product.   |

## 11.2 Information on other hazards

### 11.2.1 Endocrine disrupting properties

- This product is not expected to be endocrine disrupting.

### 11.2.2 Information on other hazards

- No other hazards to note.

#### References:

ECHA (European Chemicals Agency). 2023. REACH Registered Substances Database. <https://echa.europa.eu/search-for-chemicals>  
 IARC (International Agency for Research on Cancer). 2023. Agents Classified by the IARC Monographs, Volumes 1–129. <https://monographs.iarc.who.int/list-of-classifications/>  
 NTP (National Toxicology Program). 2023. 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 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.

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

#### European Union

**Seveso Directive (2012/18/EU):** Anhydrous ammonia (CAS No. 7664-41-7), and ethylene oxide (CAS No. 75-21-8) are listed. Formaldehyde (CAS No. 50-00-0) (listed as formaldehyde, concentration  $\geq 90\%$ ) is listed; however, does not meet concentration requirement and therefore this listing does not apply. No other components in this product are listed.

**Regulation (EC) No. 1005/2009, Annex I and II:** No components in this product are listed.

**Regulation (EC) No. 689/2008, Annex I, Parts I-III:** Cadmium (CAS No. 7440-43-9), ethylene oxide (Oxirane) (CAS No. 75-21-8) and hexachlorobenzene (CAS No. 118-74-1) are listed. No other components in this product are listed.

**Regulation (EC) No. 850/2004, Annex I:** No components in this product are listed.

#### Germany:

**Wassergefährdungsklasse (water hazard class):** WGK 1 – Schwach wassergefährdend.

#### International:

**IARC:** Crystalline silica (particles of respirable size) (CAS No. 14808-60-7), is listed as Group 1, carcinogenic to humans. Carbon black (CAS No. 1333-86-4) and titanium dioxide (CAS No. 13463-67-7) are listed as Group 2B, possibly carcinogenic to humans. Product classification is not warranted based on the nature of the product. Formaldehyde (CAS No. 50-00-0), arsenic (CAS No. 7440-38-2), beryllium (CAS No. 7440-41-7), cadmium (CAS No. 7440-43-9), chromium (CAS No. 7440-47-3), talc (CAS No. 14807-96-6) and ethylene oxide (CAS No. 75-21-8) are listed as Group 1, carcinogenic to humans. Styrene (CAS No. 100-42-5) and 2-methoxyaniline [listed as o-anisidine] (CAS No. 90-04-0) are listed as Group 2A, probably carcinogenic to humans. Hexachlorobenzene (CAS No. 118-74-1), 1,4-dioxane (CAS No. 123-91-1), calcium bis(2-ethylhexanoate) (CAS No. 136-51-6), lead (CAS No. 7439-92-1), nickel (CAS No. 7440-02-0), acetaldehyde (CAS No. 75-07-0), 3,3'-dichlorobenzidine (CAS No. 91-94-1), and methyl isobutyl ketone (CAS No. 108-10-1) are listed as Group 2B, possibly carcinogenic to humans. 2-Butoxyethanol (CAS No. 111-76-2), iron oxide red (CAS No. 1309-37-1), zeolite (CAS No. 1318-02-1), isopropyl alcohol (CAS No. 67-63-0), and mercury (CAS No. 7439-97-6) are classified as Group 3, not classifiable as to its carcinogenicity to humans. Product classification is not warranted based on the concentration present in the product. 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.



## Section 16 – Other Information

### List of acronyms and abbreviations:

|  |   |
|--|---|
| ACGIH: American conference of Governmental Hygienists                        | OSHA: Occupational Safety and Health Administration                         |
| ATE: Acute Toxicity Estimate   | PBT: Persistent, Bioaccumulative and Toxic                                  |
| CAS: Chemical Abstract Service Number  | PEL: Permissible Exposure Level   |
| CLP: Classification, Labelling and Packaging Regulation (EC) No 1272/2008    | PPE: Personal Protective Equipment  |
| DFG MAK: Deutsche Forschungsgemeinschaft Maximale Arbeitsplatz-Konzentration | REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals |
| EC: European Commission  | REL: Recommended exposure level   |
| ECHA: European Chemicals Agency  | SDS: Safety Data Sheet  |
| GHS: Global Harmonized System  | TLV: Threshold limit value  |
| HEPA: High Efficiency Particulate Air  | TWA: Time-weighted average  |
| IARC: International Agency for Research on Cancer                            | UN: United Nations  |
| IBC: International Bulk Chemical   | vPvB: very Persistent, very Bioaccumulative                                 |
| MARPOL: Maritime Pollution   | WGK: Wassergefährdungsklasse  |
| NIOSH: National Institute for Occupational Safety & Health                   |   |

### References:

ECHA (European Chemicals Agency). 2023. REACH Registered Substances Database. <https://echa.europa.eu/search-for-chemicals>  
 IARC (International Agency for Research on Cancer). 2023. Agents Classified by the IARC Monographs, Volumes 1–129. <https://monographs.iarc.who.int/list-of-classifications/>  
 NTP (National Toxicology Program). 2023. 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 2<sup>nd</sup> revision Safety Data Sheet.

**Creation Date:** November 15, 2021

**Revision Date:** October 02, 2023