

# Speedball Oil-Based Block Printing Inks

## SAFETY DATA SHEET (SDS)

Version: 01

Date of Issue: September 14, 2022

According to: Article 18(3)(a) of Regulation (EC)  
No 1272/2008

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

#### 1.1 Product identifier

Product Name: Speedball Oil-Based Block Printing Inks  
(Black, Red, Blue, White, Green, Yellow, Brown, Violet, Turquoise, Magenta).  
Product sizes: 1.25 fl. oz. (37mL), 8 fl. oz. (237 mL)  
Other Means of Identification: None known  
Product Description: An oil-based ink intended for general (adults) screen printing purposes. For use, the product is applied with a brayer onto a carved block then pressed on fabric or paper.

#### 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

- No other hazards have been identified for this product.

## Section 3 – Composition / Information on Ingredients

### Mixture

Chemical Name	CAS No.	EC No.	% Concentration <sup>a</sup>	GHS Hazards
Carbon black	1333-86-4	215-609-9	up to 5.3464%	H351: Carc 2 (Resp)
Titanium dioxide	13463-67-7	236-675-5	up to 20.6089%	H351: Carc 2 (Resp)
Quartz	14808-60-7	238-878-4	up to 0.3497%	H350: Carc 1 (Resp); H372: STOT RE 1 (Resp Irr)
Talc <sup>b</sup>	14807-96-6	238-877-9	up to 3.1791%	H350: Carc 1A (Resp)

<sup>a</sup> Concentrations are calculated as a maximum across all products, rather than by color.

<sup>b</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 carbon black (CAS No. 1333-86-4), titanium dioxide (CAS No. 13463-67-7), and quartz (CAS No. 14808-60-7), which may be hazardous when inhaled. Given the nature and physical form of the product (*i.e.*, liquid) airborne respirable particles would not likely be released from the product and therefore the hazard is not relevant to the product.

## 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
Carbon black	1333-86-4	3 mg/m <sup>3</sup> I	3.5 mg/m <sup>3</sup> *	3.5 mg/m <sup>3</sup>	-
Titanium dioxide	13463-67-7	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup> **	-	0.3 mg/m <sup>3</sup> R
Quartz	14808-60-7	0.025 mg/m <sup>3</sup> R	0.05 mg/m <sup>3</sup> ***	0.05 mg/m <sup>3</sup> ***	-
Talc	14807-96-6	2 mg/m <sup>3</sup> R	2 mg/m <sup>3</sup> *** with <1% quartz	2 mg/m <sup>3</sup> *** with <1% quartz	-

\* 0.1 in presence of PAHs  
\*\* Total dust  
\*\*\* Respirable dust

I Measured as Inhalable fraction of the aerosol.  
R Measured as respirable fraction of the aerosol.

## 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.

<b>Appearance:</b> <b>Physical state:</b> <b>Colour:</b> <b>Odour/Odour threshold:</b>	Liquid see <b>Section 1.1</b> Not available	<b>Partition Coefficient n-octanol/water:</b> <b>Auto-ignition temperature:</b>	Not available Not available
<b>pH (as supplied):</b>	Not available	<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>	Not available	<b>VOC:</b>	Not available
<b>Relative density:</b>	Not available	<b>Particle size range:</b>	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

**Likely routes of exposure:** Skin contact.

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

<b>Acute oral toxicity:</b>	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>	The product is practically nontoxic based on available animal and human use data.
<b>Skin corrosion/irritation:</b>	The components >1% of this product are not skin irritants based on human and/or animal studies.
<b>Serious eye damage/irritation:</b>	The 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>	Titanium dioxide (CAS No. 13463-67-7) is formally classified by Regulation (EC) No 1272/2008 (CLP Regulation) as a Category 2 carcinogen (via inhalation when in powder form containing 1% or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$ ); however, product classification is not warranted for this effect based on the particle size information provided by the ingredient supplier and the nature of the product ( <i>i.e.</i> , liquid). Carbon black (CAS No. 1333-86-4), titanium dioxide (CAS No. 13463-67-7) (airborne, unbound particles of respirable size) is listed in Group 2B by IARC. Quartz (CAS No. 14808-60-7) (listed as crystalline silica, airborne, unbound particles of respirable size) is listed in Group 1 by IARC. Titanium dioxide and quartz are also listed as carcinogens by NTP and ACGIH. The other 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>	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.
<b>Specific target organ toxicity (single exposure):</b>	The 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>	Quartz (crystalline silica) (CAS No. 14808-60-7) is classified for specific target organ toxicity (Category 1, may cause respiratory irritation); however, classification is not warranted based on the concentration and a review of available data. The other 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.

#### References:

- ECHA (European Chemicals Agency). 2022. REACH Registered Substances Database. <https://echa.europa.eu/search-for-chemicals>
- IARC (International Agency for Research on Cancer). 2022. Agents Classified by the IARC Monographs, Volumes 1–129. <https://monographs.iarc.who.int/list-of-classifications/>
- NTP (National Toxicology Program). 2022. Report on Carcinogens, Fifteenth Edition.; Research Triangle Park, NC: Official Journal of the European Union. 2008. Regulation (EC) No 1272/2008. <http://data.europa.eu/eli/reg/2008/1272/2022-03-01>
- 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. 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.

<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):** 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 (EU) No. 649/2012, Annex I, Parts I-III:** Ethylene oxide (Oxirane) (CAS No. 75-21-8), cadmium (CAS No. 7440-43-9), and hexachlorobenzene (CAS No. 118-74-1) are listed. No other components in this product are listed.

**Regulation (EU) No. 2019/1021, Annex I:** No components in this product are listed.

#### Germany:

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

#### International:

**IARC:** Quartz (listed as 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), 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. Diethanolamine (CAS No. 111-42-2), 3,3'-dichlorobenzidine (CAS No. 91-94-1), 1,4-dioxane (CAS No. 123-91-1), ethyl acrylate (CAS No. 140-88-5), acetaldehyde (CAS No. 75-07-0), propylene oxide (CAS No. 75-56-9), lead (CAS No. 7439-92-1), nickel (CAS No. 7440-02-0), and hexachlorobenzene (CAS No. 118-74-1) are listed as Group 2B, possibly carcinogenic to humans. Talc (CAS No. 14807-96-6), ethylene oxide (CAS No. 75-21-8), arsenic (CAS No. 7440-38-2), beryllium (CAS No. 7440-41-7), cadmium (CAS No. 7440-43-9), chromium (CAS No. 7440-47-3), formaldehyde (CAS No. 50-00-0), are listed as Group 1, carcinogenic to humans. Styrene (CAS No. 100-42-5) and 2-methoxyaniline (CAS No. 90-04-0) are listed as Group 2A, probably carcinogenic to humans. Red iron oxide (CAS No. 1309-37-1), 2-butoxyethanol (CAS No. 111-76-2), talc not containing asbestos or asbestiform fibers (CAS No. 14807-96-6), Basic Red 1 (CAS No. 989-38-8), mercury (CAS No. 7439-97-6) and C.I. Basic Violet 10 (CAS No. 81-88-9), are classified as Group 3, not classifiable as to its carcinogenicity to humans. 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
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
NIOSH: National Institute for Occupational Safety & Health	WGK: Wassergefährdungsklasse
NTP: National Toxicology Program	

#### References:

ECHA (European Chemicals Agency). 2022. REACH Registered Substances Database.

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

IARC (International Agency for Research on Cancer). 2022. Agents Classified by the IARC Monographs, Volumes 1–129. <https://monographs.iarc.who.int/list-of-classifications/>

NTP (National Toxicology Program). 2022. Report on Carcinogens, Fifteenth Edition.; Research Triangle Park, NC: Official Journal of the European Union. 2008. Regulation (EC) No 1272/2008.

<http://data.europa.eu/eli/reg/2008/1272/2022-03-01>

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:** September 14, 2022