

Speedball Speed Clean

SAFETY DATA SHEET (SDS)

Version: 02
Date of Issue: April 9, 2020

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 Speed Clean (4 fl. oz, 16 fl. oz., 32 fl. oz, 128 fl. oz)
Other Means of Identification: None known
Product Description: A liquid to be used for cleaning screens used in screen printing.

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

Relevant identified use(s): Use the product for its intended purpose as a screen cleaner during screen-printing.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Speedball Art Products Co.
PO Box 5157
2301 Speedball Road
Statesville, NC 28677

Business Phone: 704-978-4166 Fax: 704-838-1472
Email: budmartin@speedballart.com

1.4 Emergency telephone number

Emergency Telephone: Transportation: 1-800-898-7224
Health: 1-800-222-1222

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

Health	Environment	Physical
Eye Irritation (Category 2A), H319 Skin Irritation (Category 2), H315	Not classified	Not classified

2.2. Label elements

Label Pictogram:



Signal Word: Warning

Hazard Statement: H319: Causes serious eye irritation. H315: Causes skin irritation.

Precautionary Statement:

- If medical advice is needed, have product container or label at hand (P101)
- Read label before use (P103)
- Wash hands thoroughly after handling (P264)
- Wear protective gloves/protective clothing/eye protection/face protection (P280)
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do -

continue rinsing. (P305+P351+P338)

- IF ON SKIN: wash with plenty of water (P302+P352)
- Specific treatment (see section 4: First Aid Measures) (P321)
- IF eye irritation persists: Get medical advice/attention (P337+P313)
- IF SKIN irritation occurs: Get medical advice/attention (P332+P313)
- Take off contaminated clothing (P362)

2.3. Other hazards

- None known

Section 3 – Composition / Information on Ingredients

Mixture

<u>Chemical Name</u>	<u>CAS No.</u>	<u>EINECS No.</u>	<u>% Weight</u>
Sodium metasilicate	6834-92-0	229-912-9	2.13%
Diethylene glycol	111-46-6	111-46-6	3.92%
Ethoxylated fatty alcohol	78330-21-9	616-609-5	3.15%
Nonylphenol, ethoxylated	127087-87-0	500-315-8	5.14%

Section 4 – First Aid Measures

4.1 Description of first aid measures

Eye contact: IF IN EYES: Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do - continue rinsing. IF eye irritation persists: Get medical advice/attention.

Skin contact: IF ON SKIN: wash with plenty of water and soap. IF SKIN irritation occurs: Get medical advice/attention. Take off contaminated clothing.

Inhalation: 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

- May be irritating to eyes and skin
- 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:

- See also **Section 10** - Stability and Reactivity.

5.3 Advice for firefighters

- Wear a self-contained breathing apparatus to protect against potentially irritating fumes.

Section 6 – Accidental Release Measures

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

Personal Precautions: Use protective gloves, goggles and suitable protective clothing. Do not smoke, use open fire or other sources of ignition. 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.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures: Contain spill if safe to do so. Remove sources of ignition. Keep combustibles away from spilled material. Collect recoverable product and place in a designated container for disposal. Flush the area with water. Dispose of sealed contents/container and wash water 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.
- Do not eat, drink or smoke when using this product.
- Wash contaminated clothing before reuse.
- Employees should be trained in the safe use and handling of chemical materials.
- Sinks and eye wash stations should be available in the work area.
- 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.
- Keep in original container.
- Keep chemicals locked up or in an area accessible to only qualified personnel.

7.3 Specific end use(s)

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

Section 8– Exposure Controls / Personal Protection

8.1 Control Parameters:

Chemical Name	CAS No.	% Weight	Agency	Limit Type (mg/m ³)
Diethylene glycol	111-46-6	3.92%	AIHA WEEL	10 (TWA)

- There are no other exposure values available for the chemicals in this product.

8.2 Exposure Controls:

Appropriate engineering controls

- Use ventilation or other engineering controls to maintain low airborne concentrations.
- Minimize contact with eyes, skin and clothing by using good hygiene practices.
- Sinks and eyewash stations should be available in the work area.

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: Wear chemical safety goggles approved by appropriate regulatory standards.

Hands/Skin: Wear chemical resistant gloves. If necessary, refer to appropriate regulatory standards.

Body: Wear protective clothing. If necessary, refer to appropriate regulatory standards.

Thermal Hazards: None known.

Environmental Exposure Controls: Not available.

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: Colour: Odour/Odour threshold:	Liquid Not available Not available	Partition Coefficient n-octanol/water: Auto-ignition temperature:	Not available Not available
pH (as supplied):	Not available	Decomposition temperature:	Not available
Melting/freezing point:	Not available	Dynamic viscosity:	Not available
Boiling point/range:	Not available	Molecular weight:	Not available
Flash point:	Not available	Taste:	Not available
Evaporation rate:	Not available	Explosive properties:	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

Reactivity in water: Non-reactive.

Section 10 – Stability and Reactivity

10.1 Reactivity

- This material is considered to not 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

- Strong acids
- Strong oxidisers

10.5 Incompatible materials

- Strong acids
- 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: Direct contact with skin or eyes may cause irritation if product is not used as intended.

Acute oral toxicity:	Diethylene glycol (CAS No. 111-46-6) may cause acute toxicity. However, the product is practically non-toxic based on available animal and human use data. ATE >5000 mg/kg
Acute dermal toxicity:	Practically nontoxic based on available animal and human use data.
Acute inhalation toxicity:	Practically nontoxic based on available animal and human use data.
Skin corrosion/irritation:	Sodium metasilicate (CAS No. 6834-92-0) may cause skin irritation based on animal studies and human data. Symptoms include redness, heat, swelling, and pain. The other components of this product are not skin irritants.
Serious eye damage/irritation:	Sodium metasilicate (CAS No. 6834-92-0), ethoxylated fatty alcohol (CAS No. 78330-21-9), nonylphenol, ethoxylated (CAS No. 127087-87-0), may cause eye irritation based on animal studies and human data. Symptoms include red or pink eyes, burning, light sensitivity, itchiness and pain. The other components of this product are not skin irritants.
Respiratory or skin sensitization:	The components in this product are not sensitizing to the skin based on human and/or animal studies.
Mutagenicity:	The components in the product are not mutagenic based on animal studies or no data identified for the components in this product.
Carcinogenicity:	The components in the product are not carcinogenic based on animal studies or no data identified for the components in this product.
Reproductive Toxicity:	The components in the product 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 components in the product 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 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 are not aspiration hazards based on animal studies or no data identified for the components in this product.

References:

ECHA. 2020. REACH Registered Substances Database.

Section 12 – Ecological Information

12.1 Toxicity

- This product is not expected to be harmful or toxic to aquatic life. See ecotoxicity data below.

Chemical Name	CAS No.	Species	Test Results (mg/L)
Sodium metasilicate	6834-92-0	Brachydanio rerio	96- hour LC50 = 210
		Gambusia affinis	96- hour LC50 = 2320
		Pseudomonas putida	3-hour EC50 = >100
Diethylene glycol	111-46-6	Fish, daphnia and algae	>100
Nonylphenol, ethoxylated	127087-87-0	Lepomis macrochirus	96- hour LC50 = 84.70
		Daphnia magna	48-hour EC50 = 23.06
		Desmodesmus subspicatus	72-hour EC50 = 19.5

12.2 Persistence and degradability

- No data available for the components of the product.

12.3 Bioaccumulative potential

- No potential for bioaccumulation of sodium metasilicate (CAS No. 6834-92-0), and diethylene glycol (CAS No. 111-46-6)
- No data available for other components of the product.

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.

References:

ECHA. 2020. REACH Registered Substances Database.

Section 13 – Disposal Considerations

13.1 Waste treatment methods

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

Section 14 – Transport Information

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

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

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):

No components in this product are listed under 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 311/312 Hazards: No components in this product are SARA Hazards.

SARA 313 Components: Nonylphenol, ethoxylated (CAS No. 127087-87-0) is subject to S. 313. No components in this product are subject to S.313.

Toxic Substances Control Act (TSCA):

All components in this product are listed on the non-confidential TSCA inventory.

State Regulations:

California: Ethylene oxide (CAS No. 75-21-8) is listed as a trace contaminant in the product. Warnings are not required based on the concentration. No other components in this product are listed.

International:

IARC: Ethylene oxide (CAS No. 75-21-8) is listed as a Group 1 carcinogen. No other components in this product are classified with respect to carcinogenicity.

15.2 Chemical Safety Assessment

- None available

Section 16 – Other Information

List of acronyms and abbreviations:

ACGIH: American Conference of Governmental Industrial Hygienists	IMO: International Maritime Organization
ADR: International Carriage of Dangerous Goods by Road	MARPOL: Maritime Pollution
ADNR: Regulation for the carriage of dangerous substances on the Rhine	mg/L: Milligrams per Litre
CAS: Chemical Abstract Service Number	NIH: National Institutes of Health
CLP: Classification, Labelling and Packaging Regulation (EC) No 1272/2008	NTP: National Toxicology Program
EC: European Commission	OSHA: Occupational Safety and Health Administration
ECHA: European Chemicals Agency	PBT: Persistent, Bioaccumulative and Toxic
EINECS: European Inventory of Existing Chemical Substances	PPE: Personal Protective Equipment
EPCRA: Emergency Planning and Community Right To Know Act	
GHS: Global Harmonized System	REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
HEPA: High Efficiency Particulate Air	RID: International rule for transport of dangerous
IBC: International Bulk Chemical	SDS: Safety Data Sheet
IARC: International Agency for Research on Cancer	STEL: Short-term Exposure Limit
IATA: International Air Transport Association	TWA: Time Weighted Average (8-hour)
ICAO: International Civil Aviation Organization	UN: United Nations
IDLH: Immediately Dangerous to Life or Health	vPvB: very Persistent, very Bioaccumulative
IMDG: International Maritime Dangerous Goods	

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.

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